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Tables of Electrostatic Structure of Near Wakes behind Space Probes at the Mesothermal Speeds

by

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$R/\lambda = 20$	$T_e/T_i = 1.2$	$V/C_i = 8$	$e\phi_s/KT_e = -1$	122

Introduction

The structure of the disturbed region behind moving bodies in collisionless plasma for the sphere and for the infinitely long circular cylinder has been reported by Liu[1] and by Jew[2] where results of self-consistent numerical solutions are given in graphical form. In the set of tables here, additional information contained in the whole set of near wake points as originally computed will be presented in order that it be available to research workers who may have need of these more precise results in their studies.

Self-Consistent Calculation

The theory accounts for the electrostatic field effects of space charge and body surface potential as well as the influence of the potential field on the ion motion. The calculation considers a moving body of dimension R with a constant negative surface potential, ϕ_s, immersed in a rarefied plasma of singly charged positive ions and electrons. The free stream plasma is considered to be in bithermal equilibrium, having an electron temperature T_e and an ion temperature T_i. It is assumed

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(1) Liu, V. C. (1969), "Ionospheric Gas Dynamics of Satellites and Diagnostic Probes," Space Science Reviews 9, 423.

(2) Jew, H. (1968), "Studies of the Rarefied-Plasma Interactions at Mesothermal Speeds," Ph. D Thesis, The University of Michigan (University Microfilms, Ann Arbor, Michigan).

that the body speed V lies between the ambient ion thermal speed C_i and the electron thermal speed C_e, i. e., $C_i < V \ll C_e$. It is further assumed that the body surface absorbs electrons and neutralizes the ions which collide with it. In this model, the smallest collision mean free path is much greater than body size which is larger than the Debye length λ. Magnetic field effects are neglected.

Under the assumptions of negative surface potential $\phi_s < 0$ and $V \ll C_e$ the electron density N_e/N_o with N_o = ambient electron and ion density, can be approximated by the Boltzmann distribution in terms of potential ϕ. The ion distribution function is governed by the collisionless Boltzmann equation coupled with Poisson's equation for field potential ϕ. Using Jeans' theorem (Ogorodnikov[3]; Liu[1]), ion density N_i/N_o can be evaluated (Liu[1]; Jew[2]).

The discretized Dirichlet boundary value problem for the disturbed wake region was solved numerically as described in Liu[1] and in Jew[2], resulting in

$$\frac{N_e}{N_o} \quad , \quad \frac{N_i}{N_o} \quad , \quad \frac{N_e - N_i}{N_o} \quad , \quad \text{and} \quad \frac{e\phi}{KT_e}$$

as functions of coordinates (Z/R, ρ/R) for the sphere and of coordinates (Z/R, Y/R) for the cylinder. See Figure 1 for wake coordinate notation.

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(3) Ogorodnikov, K. F. (1965), "Dynamics of Stellar Systems," MacMillan Publishing Company, New York, p. 143.

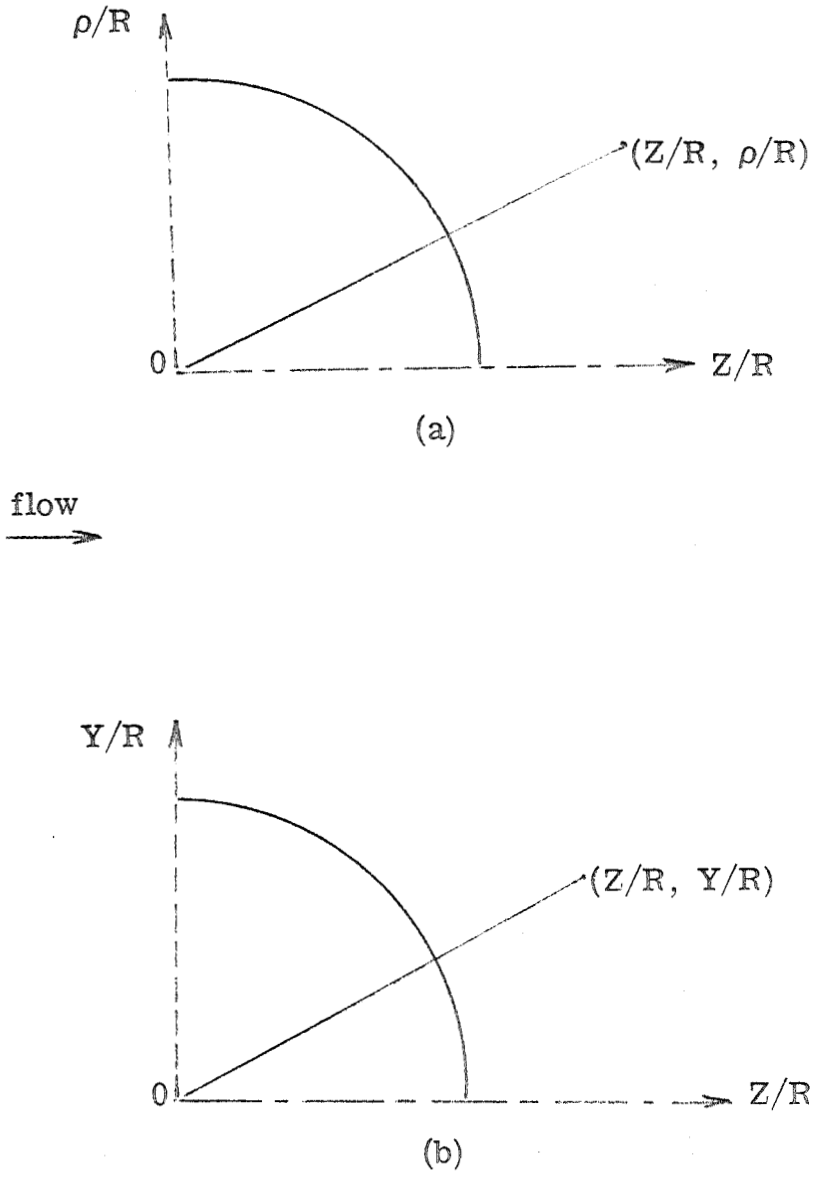

Figure 1. Coordinates, (a) Sphere; (b) Cylinder.

Four nondimensional parameters characterize the interaction problem. In terms of these, the following cases have been computed and tabulated:

SPHERE

1. $R/\lambda = 20$, $T_e/T_i = 1$, $V/C_i = 8$, $e\phi_s/KT_e = -1$
2. $R/\lambda = 20$, $T_e/T_i = 1$, $V/C_i = 8$, $e\phi_s/KT_e = -5$
3. $R/\lambda = 20$, $T_e/T_i = 1$, $V/C_i = 4$, $e\phi_s/KT_e = -1$
4. $R/\lambda = 20$, $T_e/T_i = 5$, $V/C_i = 8$, $e\phi_s/KT_e = -1$
5. $R/\lambda = 5$, $T_e/T_i = 1$, $V/C_i = 8$, $e\phi_s/KT_e = -1$
6. $R/\lambda = 1$, $T_e/T_i = 1$, $V/C_i = 8$, $e\phi_s/KT_e = -1$

CYLINDER

7. $R/\lambda = 20$, $T_e/T_i = 1$, $V/C_i = 8$, $e\phi_s/KT_e = -1$
8. $R/\lambda = 20$, $T_e/T_i = 1$, $V/C_i = 4,$, $e\phi_s/KT_e = -1$
9. $R/\lambda = 20$, $T_e/T_i = 1$, $V/C_i = 8$, $e\phi_s/KT_e = -5$
10. $R/\lambda = 5$, $T_e/T_i = 1$, $V/C_i = 8$, $e\phi_s/KT_e = -1$
11. $R/\lambda = 1$, $T_e/T_i = 1$, $V/C_i = 8$, $e\phi_s/KT_e = -1$
12. $R/\lambda = 20$, $T_e/T_i = 5$, $V/C_i = 8$, $e\phi_s/KT_e = -1$
13. $R/\lambda = 20$, $T_e/T_i = 1.2,$ $V/C_i = 8$, $e\phi_s/KT_e = -1$

Tables of Electrostatic Structure of Near Wakes behind Space Probes at the Mesothermal Speeds [4]

These tables give the electron density N_e/N_o, ion density N_i/N_o, net charge density $(N_e - N_i)/N_o$, and potential $e\phi/KT_e$ corresponding to the point $(Z/R, \rho/R)$ or $(Z/R, Y/R)$ in the wake of the sphere or of the cylinder. Numbers in these tables are in floating point, with a mantissa followed by a scale factor: For example,

Number	Interpretation
.2000 E + 02	$.2000 \times 10^{2}$
.1000 E + 02	$.1000 \times 10^{2}$
.999976 E + 00	$.999976 \times 10^{0}$
.999971 E + 00	$.999971 \times 10^{0}$
.475347 E - 05	$.475347 \times 10^{-5}$
-.241235 E - 04	$-.241235 \times 10^{-4}$

[4] The work has been supported by NASA Grant NGR 23-005-094.

SPHERE

$R/\lambda = 20$ $T_e/T_i = 1$ $V/C_i = 8$ $e\phi_s/KT_e = -1$

	Z/R	ρ/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
	.2000E+02	.1000E+02	.9999976E+00	.9999718E+00	.4783478E-05	-.2412235E-04
	.1176E+02	.2941E+01	.9782611E+00	.9781136E+00	-.1450868E-02	-.1447857E-02
	.6176E+01	.1351E+01	.5000000E+00	.4999970E+00	-.1229821E-01	-.9831487E-01
	.6154E+01	.7692E+00	.2173913E+00	.2378355E+00	-.2047873E-01	-.4767438E+00
	.4950E+01	.4545E+00	.8695652E-01	.3752380E+00	.1007828E-01	-.9330602E+00
	.4125E+01	.3030E+00	.2222222E-01	.1521311E+00	.2017622E+00	-.1256011E+01
	.3593E+01	.2500E+00	.2000000E-01	.1063224E-01	-.2936776E+00	-.1630215E+01
	.3117E+01	.1923E+00	.1724138E-01	.1666650E-01	.1666015E+00	-.2746777E+01
	.2778E+01	.1562E+00	.1612903E-01	.3858281E-02	.1526173E+00	-.1628970E+01
	.2469E+01	.1282E+00	.1538462E-01	.1564200E-02	.1394792E+00	-.1271451E+01
	.2222E+01	.1053E+00	.1526049E-01	.5079116E-03	.1353738E+00	-.1000059E+01
	.2080E+01	.9600E-01	.1500441E-01	.7032441E-04	.1329447E+00	-.8594931E+00
	.1920E+01	.7353E-01	.1501222E-01	.1937233E-04	.1708018E+00	-.1777113E+00
12	.1783E+01	.6329E-01	.1514223E-01	.3099376E-05	.1521197E+00	-.1655293E+01
11	.1666E+01	.5556E-01	.1522859E-01	.5776658E-06	.1523210E+00	-.1501105E+01
10	.1538E+01	.4878E-01	.1526015E-01	.1017206E-06	.1525612E+00	-.1394442E+01
9	.1429E+01	.4329E-01	.1527154E-01	.1694465E-07	.1526824E+00	-.1195824E+01
8	.1333E+01	.3846E-01	.1529499E-01	.3151241E-08	.1529411E+00	-.1062291E+01
7	.1333E+01	.3448E-01	.1529259E-01	.1467079E-08	.1529359E+00	-.9432593E+00
6	.1250E+01	.3125E-01	.1530219E-01	.6372815E-09	.1530124E+00	-.8374594E+00
5	.1176E+01	.2857E-01	.1530747E-01	.4015197E-09	.1530741E+00	-.7433221E+00
4	.1111E+01	.2632E-01	.1530885E-01	.3312795E-09	.1530885E+00	-.6597617E+00
3						

SPHERE

$R/\lambda = 20.$ $\quad T_e/T_i = 1$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -1$

Z/R	ρ/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.1000E+01	.2152E-01	.5172E+00	.5462E-09	.5172E+00	-.3437E+00
.7692E+01	.1154E+02	.1000E+01	.1000E+01	-.1000E-06	-.2221E-06
.6000E+01	.6000E+01	.1000E+01	.1000E+01	-.4996E-06	-.1667E-06
.5000E+01	.3333E+01	.1000E+01	.1000E+01	-.5000E-06	-.2000E-06
.4762E+01	.2381E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.4545E+01	.2027E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.4348E+01	.1957E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.4167E+01	.1923E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.4000E+01	.1902E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.3846E+01	.1887E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.3704E+01	.1876E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.3571E+01	.1867E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.3448E+01	.1860E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.3333E+01	.1854E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.3226E+01	.1849E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.3125E+01	.1845E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.3030E+01	.1841E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.2941E+01	.1838E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.2857E+01	.1835E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.2778E+01	.1833E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.2703E+01	.1831E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.2632E+01	.1829E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.2564E+01	.1827E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.2500E+01	.1826E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.2439E+01	.1824E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.2381E+01	.1823E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.2326E+01	.1822E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.2273E+01	.1821E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.2222E+01	.1820E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.2174E+01	.1819E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.2128E+01	.1818E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.2083E+01	.1817E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.2041E+01	.1816E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.2000E+01	.1816E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.1961E+01	.1815E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.1923E+01	.1814E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.1887E+01	.1814E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.1852E+01	.1813E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.1818E+01	.1813E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.1786E+01	.1812E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.1754E+01	.1812E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.1724E+01	.1811E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.1695E+01	.1811E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.1667E+01	.1810E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.1639E+01	.1810E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.1613E+01	.1810E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.1587E+01	.1809E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.1562E+01	.1809E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.1538E+01	.1809E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.1515E+01	.1808E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.1493E+01	.1808E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.1471E+01	.1808E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.1449E+01	.1808E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.1429E+01	.1807E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.1408E+01	.1807E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.1389E+01	.1807E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.1370E+01	.1807E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.1351E+01	.1807E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.1333E+01	.1806E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.1316E+01	.1806E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.1299E+01	.1806E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.1282E+01	.1806E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.1266E+01	.1806E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.1250E+01	.1806E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.1235E+01	.1806E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.1220E+01	.1806E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.1205E+01	.1806E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.1190E+01	.1806E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.1176E+01	.1806E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.1163E+01	.1806E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.1149E+01	.1806E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.1136E+01	.1806E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.1124E+01	.1806E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.1111E+01	.1806E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.1099E+01	.1806E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.1087E+01	.1806E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.1075E+01	.1806E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.1064E+01	.1806E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.1053E+01	.1806E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.1042E+01	.1806E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.1031E+01	.1806E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.1020E+01	.1806E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.1010E+01	.1806E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06
.1000E+01	.1806E+01	.1000E+01	.1000E+01	-.7430E-06	-.2101E-06

SPHERE

$R/\lambda = 20$ $\quad T_e/T_i = 1$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -1$

Z/R	ρ/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.1662E+01	.4262E+00	.3512227E+00	.2695181E-03	.2725984E+00	-.1049324E+01
.1526E+01	.3636E+00	.2998449E+00	.3167171E-04	.2997447E+00	-.7821201E+00
.1492E+01	.3462E+00	.2866900E+00	.3041171E-03	.2863859E+00	-.6997678E+00
.1411E+01	.3050E+00	.2553282E+00	.2795263E-03	.2553002E+00	-.4067776E+00
.1383E+01	.2886E+00	.2438485E+00	.2687659E-03	.2438216E+00	-.3419625E+00
.1278E+01	.2344E+00	.1991421E+00	.2335955E-03	.1991187E+00	-.1562103E+00
.1213E+01	.2012E+00	.1721221E+00	.2148184E-03	.1721006E+00	-.9734295E-01
.1175E+01	.1796E+00	.1556276E+00	.2036238E-03	.1556072E+00	-.6412903E-01
.1140E+01	.1716E+00	.1486134E+00	.1967622E-03	.1485937E+00	-.5372700E-01
.1062E+01	.1417E+00	.1229222E+00	.1762322E-03	.1229046E+00	-.3255213E-01
.1176E+01	.2294E+01	.1000000E+01	.1000000E+01	-.7450588E-08	-.1259479E-07
.2002E+01	.4035E+01	.1000000E+01	.1000000E+01	-.7450588E-08	-.1211525E-07
.2652E+01	.3848E+01	.1000000E+01	.1000000E+01	-.7450588E-08	-.8223979E-08
.2759E+01	.3516E+01	.1000000E+01	.1000000E+01	-.7450588E-08	-.5719622E-08
.2762E+01	.2486E+01	.1000000E+01	.1000000E+01	.7450588E-08	-.1226210E-08
.2607E+01	.2000E+01	.1000000E+01	.1000000E+01	-.7450588E-08	-.1096400E-07
.2527E+01	.1625E+01	.9999996E+00	.1000000E+01	-.1162695E-08	-.5652097E-06
.2374E+01	.1335E+01	.9999934E+00	.1000007E+01	-.1251577E-03	-.3507201E-04
.2222E+01	.1111E+01	.9947550E+00	.1000527E+01	-.1052088E-01	-.5285059E-02
.2079E+01	.9355E+00	.9446854E+00	.9720485E+00	-.2733631E-01	-.2529446E+00
.1947E+01	.7965E+00	.8970533E+00	.9340488E+00	-.4369955E-01	-.7553295E+00
.1828E+01	.6849E+00	.8542874E+00	.8985900E+00	-.4429259E-01	-.1070295E+01
.1717E+01	.5941E+00	.8159000E+00	.8654518E+00	-.4955178E-01	-.1306932E+01
.1618E+01	.5202E+00	.7823715E+00	.8357955E+00	-.5342401E-01	-.1505591E+01
.1529E+01	.4587E+00	.7526176E+00	.8074648E+00	-.5484722E-01	-.1652634E+00
.1448E+01	.4072E+00	.7257126E+00	.7795035E+00	-.5378090E-01	-.1737797E+00
.1374E+01	.3636E+00	.7014610E+00	.7532621E+00	-.5180110E-01	-.1796230E+00
.1307E+01	.3268E+00	.6795767E+00	.7291207E+00	-.4954400E-01	-.1835893E+00
.1246E+01	.2951E+00	.6597544E+00	.7065145E+00	-.4675600E-01	-.1862854E+00
.1191E+01	.2677E+00	.6420726E+00	.6858001E+00	-.4372748E-01	-.1880243E+00
.1139E+01	.2439E+00	.6262819E+00	.6667669E+00	-.4048501E-01	-.1891008E+00
.1091E+01	.2232E+00	.6121022E+00	.6491188E+00	-.3701658E-01	-.1896613E+00
.1047E+01	.2048E+00	.5994704E+00	.6329162E+00	-.3344578E-01	-.1898528E+00
.8000E+00	.4400E+01	.1000000E+01	.1000000E+01	-.7450588E-08	-.4618132E-08
.1466E+01	.4625E+01	.1000000E+01	.1000000E+01	-.7450588E-08	-.3527338E-08
.1911E+01	.3503E+01	.1000000E+01	.1000000E+01	-.7450588E-08	-.4211828E-08
.2162E+01	.2497E+01	.1000000E+01	.1000000E+01	-.7450588E-08	-.2493669E-08
.2262E+01	.2148E+01	.1000000E+01	.1000000E+01	-.7450588E-08	.1533045E-09
.2264E+01	.2075E+01	.1000000E+01	.1000000E+01	.7450588E-08	-.2026911E-08
.2268E+01	.1735E+01	.1000000E+01	.1000000E+01	-.2694070E-07	-.5074731E-07
.2122E+01	.1459E+01	.9999996E+00	.1000000E+01	-.7697042E-08	-.3999586E-05
.2022E+01	.1263E+01	.9999748E+00	.1000027E+01	-.2710521E-03	-.2553156E-03
.1919E+01	.1058E+01	.9980898E+00	.1001205E+01	-.2295491E-01	-.1197837E-01
.1812E+01	.9091E+00	.9095104E+00	.9851035E+00	.7561473E-01	-.4716571E+00
.1722E+01	.7891E+00	.8286545E+00	.9219543E+00	-.9330998E-01	-.8223099E+00
.1631E+01	.6901E+00	.7572210E+00	.8689525E+00	-.1117315E+00	-.1127503E+01
.1547E+01	.6077E+00	.6966-07E+00	.8250000E-02	.6879552E+00	-.9551665E+00
.1469E+01	.5387E+00	.6438726E+00	.8000000E-03	.6430726E+00	-.8524053E+00
.1396E+01	.4801E+00	.5977[illegible]E+00	.7745[illegible]E-03	.5969[illegible]E+00	-.7602071E+00
.1331E+01	.4302E+00	.5571[illegible]E+00	.7495[illegible]E-03	.5563[illegible]E+00	-.6780[illegible]E+00
.1272E+01	.3880E+00	.5211[illegible]E+00	.7249[illegible]E-03	.5203[illegible]E+00	-.6050[illegible]E+00
.1217E+01	.3520E+00	.4890[illegible]E+00	.7008[illegible]E-03	.4883[illegible]E+00	-.5404[illegible]E+00
.1214E+01	.3514E+00	.4884[illegible]E+00	.7000[illegible]E-03	.4877[illegible]E+00	-.5197[illegible]E+00
.1162E+01	.3195E+00	.4621499E+00	.6774[illegible]E-03	.4614[illegible]E+00	-.4[illegible]E+00
.1114E+01	.2918E+00	.4387[illegible]E+00	.6553[illegible]E-03	.4380[illegible]E+00	-.3[illegible]E+00
.1070E+01	.2674E+00	.4177[illegible]E+00	.6337[illegible]E-03	.4171[illegible]E+00	-.3[illegible]E+00
.1028E+01	.2459E+00	.3988[illegible]E+00	.6126[illegible]E-03	.3982[illegible]E+00	-.2[illegible]E+00
.5780E+00	.3757E+01	.1000000E+01	.1000000E+01	-.7450588E-08	-.2[illegible]E-08
.1066E+01	.3514E+01	.1000000E+01	.1000000E+01	-.7450588E-08	-.1[illegible]E-07
.1462E+01	.3171E+01	.1000000E+01	.1000000E+01	-.7450588E-08	-.1[illegible]E-07
.1717E+01	.2796E+01	.1000000E+01	.1000000E+01	-.7450588E-08	-.1[illegible]E-07

SPHERE

$R/\lambda = 20$ $\quad T_e/T_i = 1$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -1$

Z/R	ρ/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.1[illegible]E+01	.2[illegible]E+01	.1000[illegible]E+01	.1[illegible]E+01	-.7[illegible]E-08	.[illegible]E-09
.1[illegible]E+01	.2[illegible]E+01	.1[illegible]E+01	.1[illegible]E+01	-.[illegible]E-08	-.[illegible]E-06
.1[illegible]E+01	.1[illegible]E+01	.1000[illegible]E+01	.1000[illegible]E+01	-.[illegible]E-06	-.[illegible]E-07
.1[illegible]E+01	.1[illegible]E+01	.[illegible]E+00	.1[illegible]E+01	-.[illegible]E-05	-.[illegible]E-05
.1[illegible]E+01	.1[illegible]E+01	.[illegible]E+00	.1000[illegible]E+01	-.[illegible]E-03	-.[illegible]E-05
.1[illegible]E+01	.1[illegible]E+01	.[illegible]E+00	.1[illegible]E+01	-.[illegible]E-01	-.[illegible]E-02
.1[illegible]E+01	.9[illegible]E+00	.7[illegible]E+00	.7[illegible]E+00	-.[illegible]E-01	-.[illegible]E+00
.1[illegible]E+01	.9[illegible]E+00	.[illegible]E+00	.3[illegible]E+00	-.[illegible]E-01	-.[illegible]E+00
.1[illegible]E+01	.7[illegible]E+00	.4[illegible]E+00	.1[illegible]E+00	.3[illegible]E+00	-.[illegible]E+00
.1[illegible]E+01	.6[illegible]E+00	.4[illegible]E+00	.2[illegible]E-02	.4[illegible]E+00	-.[illegible]E+00
.1[illegible]E+01	.5[illegible]E+00	.4[illegible]E+00	.2[illegible]E-03	.4[illegible]E+00	-.[illegible]E+00
.1[illegible]E+01	.4[illegible]E+00	.3[illegible]E+00	.2[illegible]E-04	.3[illegible]E+00	-.[illegible]E+00
.1[illegible]E+01	.4[illegible]E+00	.3[illegible]E+00	.2[illegible]E-05	.3[illegible]E+00	-.[illegible]E+00
.1[illegible]E+01	.4[illegible]E+00	.3[illegible]E+00	.1[illegible]E-06	.3[illegible]E+00	-.[illegible]E+00
.1[illegible]E+01	.3[illegible]E+00	.3[illegible]E+00	.1[illegible]E-07	.3[illegible]E+00	-.[illegible]E+00
.1[illegible]E+01	.3[illegible]E+00	.3[illegible]E+00	.3[illegible]E-09	.3[illegible]E+00	-.[illegible]E+00
.1[illegible]E+01	.2[illegible]E+00	.3[illegible]E+00	.3[illegible]E-10	.3[illegible]E+00	-.[illegible]E+00
.4[illegible]E+00	.3[illegible]E+01	.1000[illegible]E+01	.1[illegible]E+01	-.[illegible]E-08	.[illegible]E-06
.8[illegible]E+00	.2[illegible]E+01	.1000[illegible]E+01	.1[illegible]E+01	-.[illegible]E-08	.[illegible]E-06
.1[illegible]E+01	.2[illegible]E+01	.1000[illegible]E+01	.1[illegible]E+01	-.[illegible]E-08	.[illegible]E-06
.1[illegible]E+01	.2[illegible]E+01	.1000[illegible]E+01	.1[illegible]E+01	-.[illegible]E-08	.[illegible]E-06
.1[illegible]E+01	.2[illegible]E+01	.1000[illegible]E+01	.1[illegible]E+01	-.[illegible]E-08	.[illegible]E-06
.1[illegible]E+01	.2[illegible]E+01	.1000[illegible]E+01	.1[illegible]E+01	.[illegible]E-06	-.[illegible]E-06
.1[illegible]E+01	.2[illegible]E+01	.1000[illegible]E+01	.1[illegible]E+01	.[illegible]E-06	-.[illegible]E-06
.1[illegible]E+01	.1[illegible]E+01	.1000[illegible]E+01	.1[illegible]E+01	.[illegible]E-06	-.[illegible]E-06
.1[illegible]E+01	.1[illegible]E+01	.[illegible]E+00	.1[illegible]E+01	-.[illegible]E-07	.[illegible]E-07
.1[illegible]E+01	.1[illegible]E+01	.[illegible]E+00	.1[illegible]E+01	-.[illegible]E-05	-.[illegible]E-06
.1[illegible]E+01	.1[illegible]E+01	.[illegible]E+00	.1[illegible]E+01	-.[illegible]E-04	-.[illegible]E-04
.1[illegible]E+01	.1[illegible]E+01	.[illegible]E+00	.1[illegible]E+01	-.[illegible]E-02	-.[illegible]E-03
.1[illegible]E+01	.1[illegible]E+01	.[illegible]E+00	.1[illegible]E+01	-.[illegible]E-01	-.[illegible]E-02
.1[illegible]E+01	.1[illegible]E+01	.[illegible]E+00	.1[illegible]E+01	-.[illegible]E-01	-.[illegible]E-01
.1[illegible]E+01	.9[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E-01	-.[illegible]E+00
.1[illegible]E+01	.9[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E-01	-.[illegible]E+00
.1[illegible]E+01	.8[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E-01	-.[illegible]E+00
.1[illegible]E+01	.7[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E-01	-.[illegible]E+00
.1[illegible]E+01	.7[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E-01	-.[illegible]E+00
.1[illegible]E+01	.6[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E-01	-.[illegible]E+00
.1[illegible]E+01	.5[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E-01	-.[illegible]E+00
.1[illegible]E+01	.5[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E-01	-.[illegible]E+00
.1[illegible]E+01	.4[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E-01	-.[illegible]E+00
.1[illegible]E+01	.4[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E-01	-.[illegible]E+00
.1[illegible]E+01	.3[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E-01	-.[illegible]E+00
.1[illegible]E+01	.3[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E-01	-.[illegible]E+00
.1[illegible]E+01	.2[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E-01	-.[illegible]E+00
.1[illegible]E+01	.2[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E-01	-.[illegible]E+00
.1[illegible]E+01	.1

SPHERE

$R/\lambda = 20$ $\quad T_e/T_i = 1$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -1$

Z/R	ρ/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.1C9cE+01	.49C5E+00	.72cccc7E+00	.123798E-05	.72cc5E1E+00	-.47c9c1E+00
.1c59E+01	.4DccE+00	.7cc1-2E+00	.3978-4E-07	.cc5c942E+00	-.42999E+00
.1024E+01	.414cE+00	.8-3222E+00	.67c78E1E-05	.c3c222E+00	-.41c644E+00
.98ccE+00	.3cc1E+00	.c124542E+00	.1271791E-04	.c1c4542E+00	-.4561E5E+00
.95e3E+00	.3534E+00	.37bcc1E+00	.1-cccc1E+01	.cccccc1E+00	-.9cc616E+00
.2742E+00	.2e03E+01	.1cccccE+01	.1ccc7c1+01	-.7-5cc2E-05	.2135c15E-04
.51c3E+00	.25c0E+01	.1cccccE+01	.1ccccc1+01	-.74c5c8E-04	.2cc9863E-04
.7c57E+00	.2295E+01	.1cccccE+01	.1ccccc1+01	-.74c5c8E-05	.211c69E-04
.941cE+00	.22c3E+01	.1cccccE+01	.1ccccc1+01	.74c5c8E-05	-.1cc5c6E-04
.1c65E+01	.2cc1E+01	.1cccccE+01	.1ccccc1+01	.74c5c8E-05	-.173594E-04
.1166E+01	.1e81E+01	.1cccccE+01	.1ccccc1+01	-.74c5c8E-05	.11cc6cE-04
.1257E+01	.1736E+01	.1cccccE+01	.1ccccc1+01	-.74c5c8E-05	-.173111E-07
.1297E+01	.154cE+01	.1cccccE+01	.1ccccc1+01	-.74c5c8E-05	-.2c3cc3E-04
.1314E+01	.1227E+01	.9-4595E+00	.1ccccc1+01	-.1c5c771E-04	-.c72c77E-05
.1314E+01	.12-3E+01	.995c65E+00	.1ccc14E+01	-.1-827cE-05	-.1-41c2E-03
.13cdE+01	.1124E+01	.9c7452E+00	.1cc235E+01	-.21c2c5E-04	-.2c3147E-02
.1281E+01	.1c14E+01	.9cc1c3E+00	.1c3e2eE+01	-.71c72E-01	-.37c448E-01
.1254E+01	.9161E+00	.c2952-E+00	.54e4c5E+00	.c2c7842E+00	-.4c3159E+00
.1224E+01	.6267E+00	.5c07c4E+00	.4e3c95E-01	.4-2c31E+00	-.c52c66E+00
.1195E+01	.7534E+00	.5c7c5eE+00	.2c4c59E-01	.4c71c-E+00	-.-73c47E+00
.1155E+01	.6e59E+00	.5-95c4E+00	.2953-9E-02	.4-2c72E+00	-.c-2471E+00
.1121E+01	.c2e2E+00	.5c2c12E+00	.2e8512E-03	.4c222-E+00	-.173341E+00
.1086E+01	.b7-1E+00	.557-..+00	.7-..44E-04	.4-.71E+00	-.1-3-2cE+00
.105-E+01	.1226E+00	.c3c3172E+00	.1322781E-03	.-3c172E+00	-.4c175cE+00
.1c2cE+01	.4844E+00	.c57c4cE+00	.1ccc194E-04	.c57e47E+00	-.4196c8E+00
.9e-2E+00	.4471E+00	.c-c4c5E+00	.1541476E-07	.4-e4c5E+00	-.4c-732E+00
.9578E+00	.413cE+00	.c-c87cE+00	.172879E-04	.4-3725+00	-.4596E9E+00
.9285E+00	.3e35E+00	.5995e0E+00	.1cccccc1+01	.ccccccE+00	-.9953E9E+00
.2247E+00	.22cdE+01	.1cccccE+01	.1ccccc1+01	-.74c5c3E-05	.14c704E-04
.437cE+00	.2259E+01	.1cccccE+01	.1ccccc1+01	.74c5c3E-05	-.157c2cE-04
.6c69E+00	.22c1E+01	.1cccccE+01	.1ccccc1+01	-.74c5c3E-05	.171555E-04
.7922E+00	.2079E+01	.1cccccE+01	.1ccccc1+01	-.74c5c3E-05	.1cc5c3E-04
.9242E+00	.1941E+01	.1cccccE+01	.1ccccc1+01	-.74c5c3E-05	.1c-15c7E-04
.1023E+01	.1795E+01	.1cccccE+01	.1ccccc1+01	-.74c5c3E-05	-.2224857E-04
.1099E+01	.1e48E+01	.1cccccE+01	.1ccccc1+01	-.e7c95c2E-07	-.15cec5E-07
.1142E+01	.15c6E+01	.1cccccE+01	.1ccccc1+01	-.c-1572E-05	-.4427c3E-05
.1172E+01	.1e7cE+01	.9-9591E+00	.1cccc1E+01	-.17c132F-04	-.8e2385E-05
.11c9E+01	.1249E+01	.9954c1E+00	.1ccc18E+01	-.2-7954E-03	-.12c958E-05
.1189E+01	.1135E+01	.9-7c27E+00	.1cc248E+01	-.4-52e8E-02	-.247634E-02
.11c0E+01	.1032E+01	.9-7c72E+00	.1c3401E+01	-.2c-771E-01	-.3134e3E-01
.1c4E+01	.94cbE+00	.c-7c1cE+00	.9128e0E+00	.c-c241E+00	-.3-1c5cE+00
.1143E+01	.c-71E+00	.15c7e7E+00	.1121c8E+00	.4-23c5E+00	-.3-3452E+00
.1119E+01	.7830E+00	.c-9-5cE+00	.29e-25-01	.c-cc72E+00	-.c-49e3E+00
.1092E+01	.71c7E+00	.c-47c-E+00	.4c7471-02	.c-4c1cE+00	-.4c-859E+00
.1064E+01	.e175E+00	.c7c3e1E+00	.48c-295E-03	.c7954e4E+00	-.c-1c32c+00
.1035E+01	.e045E+00	.c-n-55E+00	.4c3-45E-04	.7-e-51E+00	-.4-55c2E+00
.1004E+01	.c57cE+00	.c-9c9cE+00	.3627c5E-05	.c-9c91E+00	-.4-77cE+00
.9795E+00	.c145E+00	.c-c77cE+00	.2-2e7cE-06	.c-c73eE+00	-.4-1375E+00
.95-4E+00	.a7e2E+00	.c-e2e5c+00	.2-4487E-07	.c-c3c5E+00	-.4c96c6E+00
.9255E+00	.4417E+00	.c-5-511E+00	.2e45e4E-08	.c-c-51E+00	-.c-14c4E+00
.8995E+00	.4102E+00	.c-27cE+00	.1cccccE+01	.c-cccccE+00	-.1-1134E+01
.1e7cE+00	.c15cE+01	.1cccccE+01	.1ccccc1+01	.74c5c3E-05	-.1c-943E-04
.3e7cE+00	.2110E+01	.1cccccE+01	.1ccccc1+01	.74c5c3E-05	-.117c48E-04
.53-0E+00	.2c32E+01	.1cccccE+01	.1ccccc1+01	.74c5c3E-05	-.1311c5E-05
.6745E+00	.1-15E+01	.1cccccE+01	.1ccccc1+01	.74c5c3E-05	-.1-1a6c1E-04
.7946E+00	.1e2cE+01	.1cccccE+01	.1ccccc1+01	-.74c5c3E-05	.1c4524E-04
.8915E+00	.17c9E+01	.1cccccE+01	.1ccccc1+01	-.74c5c3E-05	-.2-59e1E-04
.9659E+00	.12c6E+01	.1cccccE+01	.1ccccc1+01	-.e7c97cE-07	-.2c41c3E-07
.1019E+01	.14c5E+01	.9-9595E+00	.1cccccE+01	-.5-7e2eE-05	-.-22c9cE-04
.1c58E+01	.1346E+01	.9-9-9cE+00	.1ccccc1+01	-.2-c1e2E-04	-.1-452cE-04

SPHERE

$R/\lambda = 20$ $T_e/T_i = 1$ $V/C_i = 8$ $e\phi_s/KT_e = -1$

	Z/R	ρ/R	N_e/N_o	N_e/N_i	$(N_e - N_i)/N_o$	$e\phi/KT_e$
	.1C7nE+01	.1z2bE+01	.9w37e2L+CC	.1C3Czz+01	-.n8B1d6E-02	-.2175BeE-03
	.1C8nE+01	.1125E+01	.9971C7L+CC	.1CC29C3+01	-.17B922E-02	-.2d57eCE-02
	.1C8CE+01	.1C41E+01	.9bE4d2L+CC	.1C3474E+01	-.d22C2LE-01	-.34.325E-01
	.1C7bE+01	.9594L+CC	.9B7C8CL+CC	.4283288+01	.2eC711C+CC	-.2574951E+CC
	.1C8CE+01	.8759E+CC	.97e2d5L+CC	.1421551+CC	.n3C094E+CC	-.2n772CE+CC
	.1C15CE+01	.8L45EE+JC	.9907dEE+CC	.3467c4E-01	.5C1C8291+CC	-.3C2521E+CC
	.1C3CE+01	.7403EE+JC	.9e2e8CF+CC	.4e31B5E-02	.5Be1Bee+CC	-.317+512E+CC
	.1C09E+01	.7E15EE+JC	.9e6n4eE+CC	.5e1b23E-03	.7+9CC7E+CC	-.3e22295E+CC
	.9BE3E+JC	.e3C1E+JC	.C1B95e6L+CC	.51544CE-04	.n1eBA7E+CC	-.4725749E+CC
	.4e3CE+JC	.3E15E+JC	.C4426C4E+CC	.4726b2e-05	.C4426C5E+CC	-.4355C1E+JC
	.9e94L+CC	.84e2E+JC	.e7C3b2L+CC	.4Ce57eE-06	.2e3B92E+CC	-.327109E+CC
	.9151CE+CC	.3C13E+JC	.b+7511L+CC	.4377512-07	.5571512E+CC	-.3514675E+CC
	.e9e2E+JC	.4e0eE+JC	.e7n473e+CC	.1CCCCCL+C1	.CCCCCCL+CC	-.9529752+CC
	.e59CE+JC	.4C4eE+CC	.5372CCE+CC	.1CCCCCE+C1	.CCCCCCL+CC	-.1526b9L+C1
	.1559CE+JC	.1957E+C1	.1CCCCCL+C1	.1CCCCCE+C1	.7+5C5eE-Ce	-.192e21E-C8
	.312CE+CC	.1952E+C1	.1CCCCCL+C1	.1CCCCCE+C1	-.745C58E-Ce	.192e39E-C8
	.4e25E+JC	.1e51E+C1	.1CCCCCE+C2	.1CCCCCL+C1	.745C58E-C8	-.17e52eE-C8
	.5eCeE+JC	.1C154E+C1	.1CCCCCE+C2	.1CCCCCE+C1	-.745C58E-Ce	.15C3246-C8
	.ce97E+JC	.1724L+C1	.1CCCCCE+C2	.1CCCCCL+C1	.745C58E-Ce	-.3495320E-C8
	.7eC2E+JC	.1e22L+C1	.1CCCCCE+C2	.1CCCCCE+C2	-.7+5C58E-Ce	-.1524e51E-07
	.85e2E+JC	.1523E+C1	.1CCCCCL+C1	.1CCCCCE+C1	-.2C5C16E-Ce	-.11e074E-Ce
	.9eCe1E+JC	.1n15L+C1	.9999992+CC	.1CCCCCE+C1	-.2154531E-C5	-.1Ce9C9E-C5
	.94e4E+JC	.1127E+C1	.9999972+CC	.1CCCC2L+C1	-.+7512e4-C4	-.2374C3E-C4
	.97C2E+CC	.1220L+C1	.9999999+CC	.1CCC20L+C1	-.6C2C653E-C3	-.3C1ee4E-C3
	.9913E+JC	.1122L+C2	.999e5C5L+CC	.1CC3402+C2	-.+5C1B22E-C2	-.3495044E-C2
	.9952E+JC	.2C41L+C1	.3e2'1C7E+CC	.1C3C15E+C1	-.71C4C1E-C1	-.2551542-C1
	.9962E+JC	.3eC2L+JC	.71B+e3L+CC	.4352e2E+CC	.2e+4e2L+CC	-.3CCC7eE+CC
	.9932E+JC	.e872E+JC	.CJCe5CCE+CC	.1971+53L+CC	.4+34572+CC	-.3C5e26E+CC
	.9e3eE+JC	.1197L+JC	.5Ce4152+CC	.3C74C6E-C1	.+12C72E+CC	-.3+4C3E+CC
	.97C3E+JC	.7532L+JC	.9779572+CC	.5C2+6C1E-C2	.572932E+CC	-.5+2295E+JC
	.9542E+JC	.7C15E+JC	.eC1n3CL+CC	.3e2572E-C3	.eC12e4L+CC	-.3C7747E+CC
	.9270E+CC	.eC7CE+JC	.e+7e4n+CC	.2552e2L-C4	.+2776CE+CC	-.4C34eC2+CC
	.91e3E+JC	.3C42E+JC	.e47e41E+CC	.5197C0E-C5	.e+762C2E+CC	-.4344419E+CC
	.852C2E+JC	.3e14L+JC	.C+47225E+CC	.++9e12e-CC	.C+47225E+CC	-.4Ce9211E+JC
	.8790E+JC	.3e32L+JC	.9747212+CC	.+33n52E-C7	.5747+1E+CC	-.5E3+70E+CC
	.8C92E+JC	.4eE1E+JC	.3C3445L+CC	.1CCCC0E+C1	.CCCCCCE+CC	-.1C1212E+01
	.8e91E+JC	.4Ce0E+JC	.3eC9e7E+CC	.1CCCC0E+C1	.CCCCCCL+CC	-.1047C9E+01
	.13e+E+JC	.1e+2L+C1	.1JCCCCL+C1	.1CCCC0E+C1	-.745C5eL-Ce	-.1C12e3E-11
	.2e0BE+JC	.1d12L+C1	.1CCC.CE+C1	.1CCCC0E+C1	.745C5EE-Ce	-.2C9172E-C8
	.3922E+JC	.1765E+C1	.1CCCCCL+C1	.1CCCCCL+C1	.745C5+E-Ce	-.21Ce74E-C8
	.5C44E+JC	.1762E+C1	.1CCCCCL+C1	.1CCCC0E+C1	.745C5eE-Ce	-.2e4eCeE-C8
	.eC21E+JC	.1C2eE+C1	.1JCCCCE+C1	.1CCCCCL+C1	-.745C5+E-Ce	-.1e+9eE-C8
	.ee7JE+JC	.1546E+C1	.1CCCCCE+C1	.1CCCCCE+C1	-.e7e5B2E-C7	-.1+e542E-C7
	.7Ce5E+JC	.1+25E+C1	.1CCCCCE+C1	.1CCCCCE+C1	-.+47C2+E-Ce	-.3e1eeEE-Ce
	.81e2E+JC	.1e7+E+C1	.999999L+CC	.1CCCCCL+C1	-.7e6B15E-C5	-.3Ce121E-C5
	.8347E+JC	.1232E+C1	.9999999+CC	.1CCC04E+C1	-.C1e2e2e-C4	-.+C2e1E-C4
	.8+7E+CC	.1152E+C1	.9999C5E+CC	.1CCC44L+C1	-.+n4951-C3	-.3+3C2eE-C3
	.9e6E+CC	.1212E+C1	.9999CCL+CC	.1CC42eL+C1	-.eC9+3.L-C2	-.42+e7E-C2
	.9159E+JC	.1C1+E+C1	.+.1+++C+CC	.1C+C1CL+C1	-.7+5B2L-C1	-.5+.1e+L-C1
	.9+2E+CC	.9+C+E+JC	.7+1C+1+CC	.+++3C1eL+C1	.5+5+11+CC	-.5+.77eL+CC
	.9e5E+CC	.8912E+JC	.71C7.7E+CC	.1+7e3e1+C1	.+.7+++1+CC	-.+5+7+32E+CC
12	.92e6E+JC	.+2+7E+JC	.3+.C92E+CC	.3324924-C1	.5+++232+CC	-.++1+2e1+CC
11	.9127E+CC	.77C4E+JC	.9+.14C4E+CC	.+e13++4E-C1	.2e3+++E+CC	-.5+.+532E+CC
10	.9C19E+JC	.71eCE+JC	.e1C5+3E+CC	.3e5e71E-C2	.e1C3+7E+CC	-.+7.2715E+CC
9	.8+e9E+JC	.6+C7E+JC	.2922eE+CC	.3174+8E-C+	.e2+3172E+CC	-.+.+2+7CE+CC
8	.874+E+JC	.5e15E+JC	.+7C+++E+C1	.3e3+11E-C3	.e27C+5E+CC	-.+C.715E+CC
7	.85e7E+JC	.5715E+JC	.+2B2e3E+CC	.+CC3e2E-C+	.+.2e++2E+CC	-.+.+C+2E+CC
6	.8424E+JC	.5+15E+JC	.+.+.+5E+CC	.1CCC30E+C1	.+CCCC+1+CC	-.+++.+5E+CC
5	.8259E+JC	.5C+.E+JC	.+.+.1+CC	.1CCCCC1+C2	.+.+.+++CC	-.+.+++71+C1
4	.8C+4E+JC	.4+7+5E+JC	.+++11+CC	.1C3CCC1+C2	.CCC3C1+CC	-.+.+.+++C1
3						

SPHERE

$R/\lambda = 20$ $\quad T_e/T_i = 1$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -1$

Z/R	ρ/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.11e3E+00	.171eE+01	.1000000E+01	.1000000E+01	-.7450558E-08	-.8b29933E-08
.2334E+00	.1793E+01	.1000000E+01	.1000000E+01	.7450558E-08	-.3072448E-05
.3421E+00	.1e3bE+01	.1000000E+01	.1000000E+01	-.4990231E-07	.1591041E-07
.4420E+00	.1c02E+01	.1000000E+01	.1000000E+01	.4990231E-07	-.5e30932E-08
.5214E+00	.1894E+01	.1000000E+01	.1000000E+01	-.8715582E-07	-.5e1e12eE-04
.6091E+00	.1472E+01	.1000000E+01	.1000000E+01	-.4994071E-07	-.7e31250E-07
.6720E+00	.1336E+01	.9999999E+00	.1000000E+01	-.1e7e23eE-05	-.32e9755E-05
.7295E+00	.1222E+01	.9999999E+00	.1000001E+01	-.1562250E-04	-.e1b691E-05
.7726E+00	.1241E+01	.9999999E+00	.1000001E+01	-.1539671E-05	-.7ee127E-04
.8058E+00	.1176E+01	.9999999E+00	.1000001E+01	-.1176025E-02	-.e07094E-03
.8302E+00	.1c94E+01	.9999999E+00	.1000001E+01	-.1124025E-03	-.e77115E-02
.8482E+00	.1023E+01	.9999999E+00	.1000000E+01	-.5004011E-01	-.9533055E-01
.8570E+00	.9538E+00	.9999999E+00	.9999999E+00	.5994955E+00	-.3326917E+00
.8615E+00	.8932E+00	.1000000E+01	.1000000E+01	.5000000E+00	-.4000000E+00
.8e16E+00	.83e9E+00	.9997649E+00	.2022259E-01	.1e8176ee+00	-.52e74e8E+00
.8579E+00	.7775E+00	.9993300E+00	.3749552E-02	.2999950E+00	-.5111933E+00
.8511E+00	.72e1E+00	.9983277E+00	.4994092E-03	.9988943E+00	-.48e93ee+00
.8423E+00	.6785E+00	.9982022E+00	.4994222E-03	.9987800E+00	-.4992155E+00
.8315E+00	.6396E+00	.9982148E+00	.5486773E-03	.9982937E+00	-.4993949E+00
.8193E+00	.5946E+00	.9982722E+00	.1000000E+01	.0000000E+00	-.5000000E+00
.8061E+00	.5500E+00	.9983031E+00	.1000000E+01	.0000000E+00	-.1e2078E+01
.7922E+00	.5221E+00	.9983960E+00	.1000000E+01	.0000000E+00	-.1e5594E+01
.7776E+00	.4904E+00	.9987628E+00	.1000000E+01	.0000000E+00	-.1e9767E+01
.1036E+00	.1500E+01	.1000000E+01	.1000000E+01	.4705322E-07	-.2521796E-06
.2047E+00	.1500E+01	.1000000E+01	.1000000E+01	-.7450558E-08	.2994975E-06
.3005E+00	.1500E+01	.1000000E+01	.1000000E+01	.9313226E-08	-.2e4041E-06
.3902E+00	.1512E+01	.1000000E+01	.1000000E+01	-.5236491E-06	.2b4c53e-07
.4715E+00	.1401E+01	.1000000E+01	.1000000E+01	-.1490125E-06	-.1447555E-07
.5430E+00	.1403E+01	.9999999E+00	.1000000E+01	.7005121E-07	-.7e34e1E-06
.6050E+00	.1314E+01	.9999997E+00	.1000000E+01	-.9518573E-05	-.2e67c4E-05
.6574E+00	.1274E+01	.9999997E+00	.1000003E+01	-.5e59435E-04	-.2779c4E-04
.7004E+00	.1200E+01	.9999995E+00	.1000022E+01	-.4112237E-03	-.2151326E-03
.7343E+00	.1139E+01	.9997474E+00	.1001531E+01	-.2e49e9E-02	-.15e714E-02
.7612E+00	.1073E+01	.9989966E+00	.1011240E+01	-.2231117E-01	-.1715e0E-01
.7e07E+00	.1006E+01	.9959767E+00	.1048419E+01	-.1243522E+00	-.6211233E-01
.7941E+00	.9465E+00	.9715725E+00	.1241692E+01	-.5225252E+00	-.3121062E+00
.8023E+00	.8e0eE+00	.9270482E+00	.1822157E+01	-.8534925E+00	-.4e2818E+00
.8066E+00	.e32eE+00	.8978027E+00	.2772377E+01	-.1e1e093E+01	-.5114472E+00
.8080E+00	.78e5E+00	.8329718E+00	.4022865E+01	-.1e7e547E+01	-.5e58e6E+00
.8052E+00	.7312E+00	.7e22955E+00	.5e51231E+01	-.2e1e1e4E+01	-.8e5e95E+00
.7972E+00	.6e0eE+00	.7e61e91E+00	.6946340E+01	-.2e5e1c4E+01	-.9fce29E+00
.7902E+00	.6494E+00	.7e7e73EE+00	.7e00000E+01	-.2e2e810E+01	-.9e2e81E+00
.7806E+00	.6e2eE+00	.7e0e48E+00	.7e00000E+01	-.2e0e81eE+01	-.9e2e81E+00
.7702E+00	.5e6eE+00	.7e2e22E+00	.7e00000E+01	-.2e0e81eE+01	-.9e2e81E+00
.7594E+00	.5e5eE+00	.7e07e4E+00	.7e00000E+01	-.2e0e81eE+01	-.9e2e81E+00
.7478E+00	.5e37E+00	.7e97e2E+00	.7e00000E+01	-.2e0e81eE+01	-.9e2e81E+00
.9141E-02	.1516E+01	.1000000E+01	.9999981E+00	-.7e7e2ee-05	.1e91e5e-05
.1810E+00	.1462E+01	.9999997E+00	.1000000E+01	-.9e0779E-02	-.2275326E-05
.2e67E+00	.1e67E+01	.1000000E+01	.9999999E+00	-.e7e5136E-05	.9e1e01E-06
.3469E+00	.1491E+01	.1000000E+01	.1000000E+01	.1e7512E-05	-.1e31e2E-06
.4203E+00	.1e9eE+01	.1000000E+01	.1000000E+01	-.2113e6E-05	.2e3132E-06
.4e8eE+00	.1e3eE+01	.9999997E+00	.1000000E+01	-.2e47e9E-05	-.2e7094E-05
.5447E+00	.1e24E+01	.9999997E+00	.1000002E+01	-.2529e1E-04	-.2e1317E-04
.5944E+00	.1e1eE+01	.9999992E+00	.1000014E+01	-.1e3b1eE-03	-.1e5b6eE-03
.6e6eE+00	.1e0eE+01	.9999921E+00	.1000092E+01	-.1e2e21E-02	-.9152781E-02
.7071E+00	.1e0eE+01	.9999166E+00	.1000721E+01	-.1e1e95E-01	-.6e7e15E-02
.7e95E+00	.1e05E+01	.9991e1eE+00	.1e42112E+01	-.8e1e051E-01	-.4e7e761E-01
.7e7eE+00	.9921E+00	.9e7e21E+00	.1e8e845E+01	-.1e1e624E+00	-.9e1e27E+00
.7e5eE+00	.9e4eE+00	.9e1e4e1E+00	.2e2e21eE+01	-.1e2e81eE+01	-.1e1e84E+00
.7e7eE+00	.9e1eE+00	.9e1e1eE+00	.2e1e947E-01	.9e2e81E+00	-.1e1e95E+00

SPHERE

$R/\lambda = 20$ $T_e/T_i = 1$ $V/C_i = 8$ $e\phi_s/KT_e = -1$

	Z/R	ρ/R	N_e/N_o	N_i/N_o	$(N_e/N_i)/N_o$	$e\phi/KT_e$
	.7541E+00	.6295E+00	.9975E+00	.9966E-02	.1007E+01	-.5149E+00
	.7572E+00	.7265E+00	.9975E+00	.1015E-02	.1007E+01	-.5122E+00
	.7572E+00	.7285E+00	.9975E+00	.1035E-02	.1007E+01	-.5122E+00
	.7547E+00	.8915E+00	.9975E+00	.1067E-02	.1007E+01	-.5046E+00
	.7501E+00	.8514E+00	.9975E+00	.1000E-01	.1007E+01	-.1006E+01
	.7436E+00	.8156E+00	.9954E+00	.1000E-01	.1004E+01	-.1003E+01
	.7361E+00	.8783E+00	.9941E+00	.1000E-01	.1003E+01	-.1003E+01
	.7273E+00	.9455E+00	.9926E+00	.1000E-01	.1001E+01	-.1000E+01
	.7176E+00	.9149E+00	.9926E+00	.1000E-01	.1001E+01	-.1000E+01
	.8137E-01	.1424E+01	.9999E+00	.1000E-01	.1008E+01	-.2002E-04
	.1012E+00	.1410E+01	.1000E+01	.9999E+00	.1000E+01	.8815E-05
	.2275E+00	.1388E+01	.1000E+01	.9999E+00	.1000E+01	.3864E-05
	.3103E+00	.1355E+01	.9999E+00	.1000E+01	.9999E+00	-.2535E-05
	.3774E+00	.1321E+01	.9999E+00	.1000E+01	.9999E+00	-.1255E-04
	.4363E+00	.1278E+01	.9999E+00	.1000E+01	-.1005E-04	-.1671E-04
	.4926E+00	.1232E+01	.9999E+00	.1000E+01	-.3006E-04	-.8478E-04
	.5402E+00	.1186E+01	.9999E+00	.1000E+01	-.9838E-04	-.4782E-03
	.5810E+00	.1150E+01	.9998E+00	.1002E+01	-.5214E-02	-.2621E-02
	.6154E+00	.1077E+01	.9992E+00	.1013E+01	-.2765E-01	-.1368E-01
	.6437E+00	.1024E+01	.9989E+00	.1017E+01	-.1877E-01	-.8881E-01
	.6656E+00	.9717E+00	.7252E+00	.4172E+00	.3119E+01	-.3074E+00
	.6826E+00	.9206E+00	.8855E+00	.1467E+00	.4028E+01	-.4552E+00
	.6956E+00	.8711E+00	.9968E+00	.3814E-01	.5011E+01	-.5170E+00
	.7059E+00	.8285E+00	.9987E+00	.9137E-02	.5079E+01	-.5579E+00
	.7114E+00	.7781E+00	.9999E+00	.7599E-03	.5019E+01	-.5022E+00
	.7140E+00	.7355E+00	.9999E+00	.9623E-04	.5012E+01	-.5007E+00
	.7140E+00	.6942E+00	.1000E+01	.1000E+01	.1000E+01	-.1004E+01
	.7119E+00	.6557E+00	.9999E+00	.1000E+01	.1000E+01	-.1003E+01
	.7080E+00	.6196E+00	.9998E+00	.1000E+01	.1000E+01	-.1003E+01
	.7026E+00	.5856E+00	.9995E+00	.1000E+01	.1000E+01	-.1003E+01
	.6960E+00	.5536E+00	.9989E+00	.1000E+01	.9989E+00	-.1124E+01
	.6884E+00	.5232E+00	.9981E+00	.1000E+01	.9981E+00	-.1126E+01
	.7284E-01	.1347E+01	.9999E+00	.1000E+01	-.2473E-03	-.2483E-04
	.1444E+00	.1336E+01	.9999E+00	.1000E+01	.2269E-04	-.2169E-04
	.2136E+00	.1317E+01	.9999E+00	.1000E+01	.5869E-04	-.5437E-04
	.2791E+00	.1291E+01	.9999E+00	.1000E+01	-.7956E-04	-.2159E-04
	.3404E+00	.1255E+01	.9999E+00	.1000E+01	-.1180E-03	-.4386E-04
	.3960E+00	.1220E+01	.9998E+00	.1001E+01	-.2503E-03	-.1272E-03
	.4473E+00	.1184E+01	.9995E+00	.1001E+01	-.5158E-03	-.4923E-03
	.4923E+00	.1138E+01	.9979E+00	.1002E+01	-.4075E-02	-.2009E-02
	.5316E+00	.1095E+01	.9960E+00	.1005E+01	-.1972E-01	-.9864E-02
	.5653E+00	.1047E+01	.9908E+00	.1011E+01	-.1006E-01	-.5041E-01
	.5936E+00	.9984E+00	.7644E+00	.4146E+00	.3690E+01	-.2580E+00
	.6170E+00	.9522E+00	.8864E+00	.2795E+00	.3172E+01	-.4052E+00
	.6357E+00	.9046E+00	.9955E+00	.7761E-01	.3282E+01	-.5125E+00
	.6504E+00	.8598E+00	.9981E+00	.1851E-01	.3345E+01	-.5742E+00
	.6611E+00	.8152E+00	.9994E+00	.4742E-02	.3358E+01	-.6080E+00
	.6682E+00	.7716E+00	.9998E+00	.1059E-02	.3357E+01	-.7071E+00
	.6732E+00	.7327E+00	.1000E+01	.1000E+01	.1000E+01	-.1004E+01
	.6754E+00	.6944E+00	.1000E+01	.1000E+01	.1000E+01	-.1002E+01
	.6754E+00	.6577E+00	.1000E+01	.1000E+01	.1000E+01	-.1005E+01
12	.6736E+00	.6216E+00	.1000E+01	.1000E+01	.1000E+01	-.1005E+01
11	.6700E+00	.5900E+00	.1000E+01	.1000E+01	.1000E+01	-.1119E+01
10	.6647E+00	.5596E+00	.1000E+01	.1000E+01	.1000E+01	-.1119E+01
9	.6580E+00	.5290E+00	.1000E+01	.1000E+01	.1000E+01	-.1126E+01
8	.6497E-01	.1279E+01	.9999E+00	.1000E+01	-.1005E-03	-.3125E-04
7	.1361E+00	.1260E+01	.9999E+00	.1001E+01	-.2011E-03	-.1494E-03
6	.1952E+00	.1228E+01	.9999E+00	.1001E+01	-.5010E-03	-.1210E-03
5	.2504E+00	.1183E+01	.9997E+00	.1001E+01	-.1005E-02	-.4124E-03
4	.3028E+00	.1130E+01	.9990E+00	.1001E+01	-.2515E-02	-.3849E-03
3						

SPHERE

$R/\lambda = 20$ $\quad T_e/T_i = 1$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -1$

	Z/R	ρ/R	N_e/N_o	N_i/N_o	$(N_e/N_i)/N_o$	$e\phi/KT_e$
	.3e04E+00	.1171E+01	.9991E+00	.1000E+01	-.1A20E-02	-.ee40E-03
	.4677E+00	.1136E+01	.9970E+00	.1002E+01	-.2C78E-02	-.2267E-02
	.4502E+00	.1097E+01	.9950E+00	.1007E+01	-.4956E-01	-.7522E-02
	.4873E+00	.1057E+01	.9943E+00	.1022E+01	-.1226E-01	-.2201E-01
	.5206E+00	.1015E+01	.9910E+00	.1039E+01	-.4E71E-01	-.9541E-01
	.5466E+00	.9736E+00	.9710E+00	.9276E+00	.4E7E-01	-.1334E+00
	.5722E+00	.9269E+00	.9508E+00	.1561E+00	.4394E-01	-.4967E+00
	.5917E+00	.8776E+00	.9476E+00	.1E61E+00	.3E50E-01	-.1022E+00
	.6074E+00	.8246E+00	.9457E+00	.8853E-02	.9769E-01	-.7219E+00
	.6195E+00	.7685E+00	.9727E+00	.1000E+01	.0000E+00	-.6F407E+00
	.6287E+00	.7102E+00	.1000E+01	.1000E+01	.0000E+00	-.1C08E+01
	.6350E+00	.6504E+00	.1000E+01	.1000E+01	.0000E+00	-.1C347E+01
	.6389E+00	.5922E+00	.1000E+01	.1000E+01	.0000E+00	-.1C01E+01
	.6406E+00	.5277E+00	.1000E+01	.1000E+01	.0000E+00	-.1C39E+01
	.6406E+00	.4724E+00	.1000E+01	.1000E+01	.0000E+00	-.11A7E+01
	.6393E+00	.4138E+00	.1000E+01	.1000E+01	.0000E+00	-.1140E+01
	.6364E+00	.3541E+00	.1000E+01	.1000E+01	.0000E+00	-.1175E+01
	.6324E+00	.2956E+00	.1000E+01	.1000E+01	.0000E+00	-.12C0E+01
	.5935E-01	.1217E+01	.9977E+00	.1002E+01	-.2575E-02	-.2246E-02
	.1179E+00	.1210E+01	.9965E+00	.1001E+01	-.2547E-02	-.1C17E-02
	.1747E+00	.1194E+01	.9943E+00	.1001E+01	-.2A95E-02	-.1515E-02
	.2292E+00	.1175E+01	.9912E+00	.1001E+01	-.3511E-02	-.1798E-02
	.2807E+00	.1151E+01	.9872E+00	.1001E+01	-.4A1E-02	-.2775E-02
	.3268E+00	.1123E+01	.9842E+00	.1005E+01	-.1E0E-01	-.5474E-02
	.3729E+00	.1092E+01	.9874E+00	.1012E+01	-.2E23E-01	-.1E2E-01
	.4130E+00	.1058E+01	.9E7E+00	.1033E+01	-.3E14E-01	-.3210E-01
	.4489E+00	.1022E+01	.9841E+00	.1C5917E+01	-.4C3E1E+00	-.9999E-01
	.4805E+00	.9835E+00	.9723E+00	.1E4E5E+01	-.2C01E1E+00	-.3205E-00
	.5081E+00	.9465E+00	.9672E+00	.2E22E5E+00	-.2728E7E+00	-.4564E-00
	.5317E+00	.9095E+00	.9E2E+00	.7183E0E-01	-.4E02E7E+00	-.8496E-00
	.5515E+00	.8697E+00	.9C75E+00	.1243E5E-01	-.4E514E+00	-.7E017E+00
	.5681E+00	.8211E+00	.9769E+00	.1000E+01	.0000E+00	-.9929E+00
	.5812E+00	.7943E+00	.9E3E+00	.1000E+01	.0000E+00	-.1C1E-01
	.5915E+00	.7575E+00	.9E33E+00	.1000E+01	.0000E+00	-.1C40E-01
	.5992E+00	.7226E+00	.9446E5E+00	.1000E+01	.0000E+00	-.1C05E-01
	.6042E+00	.6866E+00	.9256E1E+00	.1000E+01	.0000E+00	-.1C91E-01
	.6068E+00	.6506E+00	.9E2E+00	.1000E+01	.0000E+00	-.1118E-01
	.6092E+00	.6146E+00	.9E1E+00	.1000E+01	.0000E+00	-.1143E-01
	.6098E+00	.5791E+00	.9091E4E+00	.1000E+01	.0000E+00	-.1173E-01
	.6082E+00	.5435E+00	.9E03E+00	.1000E+01	.0000E+00	-.12C2E-01
	.6057E+00	.5099E+00	.8915E2E+00	.1000E+01	.0000E+00	-.12E2E-01
	.5997E-01	.1100E+01	.9977E+00	.1C1135E+01	-.1E2E2E-01	-.1126E-01
	.1072E+00	.1158E+01	.9963E+00	.1009E+01	-.1E21E-01	-.9787E-02
	.1592E+00	.1141E+01	.9936E+00	.1011E+01	-.1E72E-01	-.9947E-02
	.2091E+00	.1124E+01	.9905E+00	.1011E+01	-.2E91E-01	-.1152E-01
	.2562E+00	.1103E+01	.9869E+00	.1012E+01	-.3225E-01	-.1018E-01
	.3011E+00	.1078E+01	.9813E+00	.1029E+01	-.4E3E-01	-.2504E-01
	.3423E+00	.1051E+01	.9744E+00	.1051E+01	-.5E3E-01	-.9935E-01
	.3806E+00	.1021E+01	.9701E+00	.1141E+01	-.2E0E+00	-.1E1E-00
	.4142E+00	.9E9E+00	.9E1E+00	.3104E+01	.1E9E+00	-.3E1E+00
	.4448E+00	.9E1E+00	.3787E+00	.2E4E+00	.2E4E-01	-.2E0E+00
12	.4715E+00	.9211E+00	.4913E3E+00	.97E61E-01	.3E4237E+00	-.7E221E+00
11	.4948E+00	.8966E+00	.9724E2E+00	.1000E+01	.0000E+00	-.6E40E+00
10	.5145E+00	.8715E+00	.1000E+01	.1000E+01	.0000E+00	-.1024E+01
9	.5317E+00	.8466E+00	.1000E+01	.1000E+01	.0000E+00	-.1000E+01
8	.5457E+00	.7E2E+00	.1000E+01	.1000E+01	.0000E+00	-.1042E+01
7	.5569E+00	.7405E+00	.1000E+01	.1000E+01	.0000E+00	-.1E72E+01
6	.5657E+00	.7135E+00	.1000E+01	.1000E+01	.0000E+00	-.1E90E+01
5	.5723E+00	.6E1E+00	.1000E+01	.1000E+01	.0000E+00	-.11E1E+01
4	.5770E+00	.6E19E+00	.1000E+01	.1000E+01	.0000E+00	-.11E7E+01
3						

SPHERE

$R/\lambda = 20$ $T_e/T_i = 1$ $V/C_i = 8$ $e\phi_s/KT_e = -1$

Z/R	ρ/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.5795E+00	.6234E+00	.9699540E+00	.1000000E+01	.0000000E+00	-.1274 E+01
.5812E+00	.6251E+00	.9700941E+00	.1000000E+01	.0000000E+00	-.1273 E+01
.5829E+00	.6268E+00	.9702342E+00	.1000000E+01	.0000000E+00	-.1272 E+01
.5846E+00	.6285E+00	.9703743E+00	.1000000E+01	.0000000E+00	-.1271 E+01
.4929E-01	.1105E+01	.9903847E+00	.1000000E+01	-.9615385E-02	-.5403E-01
.4946E-01	.1107E+01	.9905248E+00	.1000000E+01	-.9475162E-02	-.5326E-01
.1485E+00	.1094E+01	.9905248E+00	.1000000E+01	-.9475162E-02	-.5326E-01
.1502E+00	.1096E+01	.9906649E+00	.1000000E+01	-.9335040E-02	-.5249E-01
.2385E+00	.1089E+01	.9912257E+00	.1000000E+01	-.8776824E-02	-.4934E-01
.2402E+00	.1091E+01	.9913658E+00	.1000000E+01	-.8636703E-02	-.4857E-01
.3152E+00	.1081E+01	.9919266E+00	.1000000E+01	-.8078487E-02	-.4542E-01
.3169E+00	.1083E+01	.9920667E+00	.1000000E+01	-.7938366E-02	-.4464E-01
.3186E+00	.1085E+01	.9922068E+00	.1000000E+01	-.7798245E-02	-.4385E-01
.4129E+00	.9270E+00	.9927676E+00	.1000000E+01	-.7240029E-02	-.4071E-01
.4146E+00	.9286E+00	.9929077E+00	.1000000E+01	-.7099908E-02	-.3992E-01
.4163E+00	.9303E+00	.9930478E+00	.1000000E+01	-.6959787E-02	-.3913E-01
.4813E+00	.8651E+00	.9936086E+00	.1000000E+01	-.6401571E-02	-.3599E-01
.4830E+00	.8668E+00	.9937487E+00	.1000000E+01	-.6261450E-02	-.3520E-01
.4847E+00	.8685E+00	.9938888E+00	.1000000E+01	-.6121329E-02	-.3442E-01
.5496E+00	.8010E+00	.9944496E+00	.1000000E+01	-.5563113E-02	-.3127E-01
.5513E+00	.8027E+00	.9945897E+00	.1000000E+01	-.5422992E-02	-.3048E-01
.5530E+00	.8044E+00	.9947298E+00	.1000000E+01	-.5282871E-02	-.2969E-01
.5246E+00	.7375E+00	.9952906E+00	.1000000E+01	-.4724655E-02	-.2655E-01
.5263E+00	.7392E+00	.9954307E+00	.1000000E+01	-.4584534E-02	-.2577E-01
.5280E+00	.7409E+00	.9955708E+00	.1000000E+01	-.4444413E-02	-.2498E-01
.5297E+00	.7426E+00	.9957109E+00	.1000000E+01	-.4304292E-02	-.2419E-01
.5314E+00	.7443E+00	.9958510E+00	.1000000E+01	-.4164171E-02	-.2340E-01
.5331E+00	.7460E+00	.9959911E+00	.1000000E+01	-.4024050E-02	-.2262E-01
.5348E+00	.7477E+00	.9961312E+00	.1000000E+01	-.3883929E-02	-.2183E-01
.5365E+00	.7494E+00	.9962713E+00	.1000000E+01	-.3743808E-02	-.2104E-01
.5382E+00	.7511E+00	.9964114E+00	.1000000E+01	-.3603687E-02	-.2025E-01
.5399E+00	.7528E+00	.9965515E+00	.1000000E+01	-.3463566E-02	-.1947E-01
.5416E+00	.7545E+00	.9966916E+00	.1000000E+01	-.3323445E-02	-.1868E-01
.5433E+00	.7562E+00	.9968317E+00	.1000000E+01	-.3183324E-02	-.1789E-01
.5450E+00	.7579E+00	.9969718E+00	.1000000E+01	-.3043203E-02	-.1710E-01
.5467E+00	.7596E+00	.9971119E+00	.1000000E+01	-.2903082E-02	-.1632E-01
.5484E+00	.7613E+00	.9972520E+00	.1000000E+01	-.2762961E-02	-.1553E-01
.5501E+00	.7630E+00	.9973921E+00	.1000000E+01	-.2622840E-02	-.1474E-01
.5518E+00	.7647E+00	.9975322E+00	.1000000E+01	-.2482719E-02	-.1395E-01
.5535E+00	.7664E+00	.9976723E+00	.1000000E+01	-.2342598E-02	-.1317E-01
.5552E+00	.7681E+00	.9978124E+00	.1000000E+01	-.2202477E-02	-.1238E-01
.5569E+00	.7698E+00	.9979525E+00	.1000000E+01	-.2062356E-02	-.1159E-01
.5586E+00	.7715E+00	.9980926E+00	.1000000E+01	-.1922235E-02	-.1080E-01
.5603E+00	.7732E+00	.9982327E+00	.1000000E+01	-.1782114E-02	-.1002E-01
.5620E+00	.7749E+00	.9983728E+00	.1000000E+01	-.1641993E-02	-.9230E-02
.5637E+00	.7766E+00	.9985129E+00	.1000000E+01	-.1501872E-02	-.8443E-02
.5654E+00	.7783E+00	.9986530E+00	.1000000E+01	-.1361751E-02	-.7655E-02
.5671E+00	.7800E+00	.9987931E+00	.1000000E+01	-.1221630E-02	-.6868E-02
.5688E+00	.7817E+00	.9989332E+00	.1000000E+01	-.1081509E-02	-.6080E-02
.5705E+00	.7834E+00	.9990733E+00	.1000000E+01	-.9413880E-03	-.5293E-02
.5722E+00	.7851E+00	.9992134E+00	.1000000E+01	-.8012670E-03	-.4505E-02
.5739E+00	.7868E+00	.9993535E+00	.1000000E+01	-.6611460E-03	-.3718E-02
.5756E+00	.7885E+00	.9994936E+00	.1000000E+01	-.5210250E-03	-.2930E-02
.5773E+00	.7902E+00	.9996337E+00	.1000000E+01	-.3809040E-03	-.2143E-02
.5790E+00	.7919E+00	.9997738E+00	.1000000E+01	-.2407830E-03	-.1355E-02
.5807E+00	.7936E+00	.9999139E+00	.1000000E+01	-.1006620E-03	-.5680E-03
.5824E+00	.7953E+00	.1000054E+01	.1000000E+01	.5394100E-04	.3043E-03
.5841E+00	.7970E+00	.1000194E+01	.1000000E+01	.1940310E-03	.1093E-02
.5858E+00	.7987E+00	.1000334E+01	.1000000E+01	.3341520E-03	.1881E-02
.5875E+00	.8004E+00	.1000474E+01	.1000000E+01	.4742730E-03	.2668E-02
.5892E+00	.8021E+00	.1000614E+01	.1000000E+01	.6143940E-03	.3456E-02
.5909E+00	.8038E+00	.1000754E+01	.1000000E+01	.7545150E-03	.4243E-02
.5926E+00	.8055E+00	.1000894E+01	.1000000E+01	.8946360E-03	.5031E-02
.5943E+00	.8072E+00	.1001034E+01	.1000000E+01	.1034757E-02	.5818E-02
.5960E+00	.8089E+00	.1001174E+01	.1000000E+01	.1174878E-02	.6606E-02
.5977E+00	.8106E+00	.1001314E+01	.1000000E+01	.1314999E-02	.7393E-02
.5994E+00	.8123E+00	.1001454E+01	.1000000E+01	.1455120E-02	.8181E-02
.6011E+00	.8140E+00	.1001594E+01	.1000000E+01	.1595241E-02	.8968E-02
.6028E+00	.8157E+00	.1001734E+01	.1000000E+01	.1735362E-02	.9756E-02
.6045E+00	.8174E+00	.1001874E+01	.1000000E+01	.1875483E-02	.1054E-01
.6062E+00	.8191E+00	.1002014E+01	.1000000E+01	.2015604E-02	.1133E-01
.6079E+00	.8208E+00	.1002154E+01	.1000000E+01	.2155725E-02	.1211E-01
.6096E+00	.8225E+00	.1002294E+01	.1000000E+01	.2295846E-02	.1290E-01
.6113E+00	.8242E+00	.1002434E+01	.1000000E+01	.2435967E-02	.1369E-01
.6130E+00	.8259E+00	.1002574E+01	.1000000E+01	.2576088E-02	.1447E-01
.6147E+00	.8276E+00	.1002714E+01	.1000000E+01	.2716209E-02	.1526E-01
.6164E+00	.8293E+00	.1002854E+01	.1000000E+01	.2856330E-02	.1605E-01
.6181E+00	.8310E+00	.1002994E+01	.1000000E+01	.2996451E-02	.1683E-01
.6198E+00	.8327E+00	.1003134E+01	.1000000E+01	.3136572E-02	.1762E-01
.6215E+00	.8344E+00	.1003274E+01	.1000000E+01	.3276693E-02	.1841E-01
.6232E+00	.8361E+00	.1003414E+01	.1000000E+01	.3416814E-02	.1919E-01
.6249E+00	.8378E+00	.1003554E+01	.1000000E+01	.3556935E-02	.1998E-01
.6266E+00	.8395E+00	.1003694E+01	.1000000E+01	.3697056E-02	.2077E-01
.6283E+00	.8412E+00	.1003834E+01	.1000000E+01	.3837177E-02	.2155E-01
.6300E+00	.8429E+00	.1003974E+01	.1000000E+01	.3977298E-02	.2234E-01
.6317E+00	.8446E+00	.1004114E+01	.1000000E+01	.4117419E-02	.2313E-01
.6334E+00	.8463E+00	.1004254E+01	.1000000E+01	.4257540E-02	.2391E-01
.6351E+00	.8480E+00	.1004394E+01	.1000000E+01	.4397661E-02	.2470E-01
.6368E+00	.8497E+00	.1004534E+01	.1000000E+01	.4537782E-02	.2549E-01
.6385E+00	.8514E+00	.1004674E+01	.1000000E+01	.4677903E-02	.2627E-01
.6402E+00	.8531E+00	.1004814E+01	.1000000E+01	.4818024E-02	.2706E-01
.6419E+00	.8548E+00	.1004954E+01	.1000000E+01	.4958145E-02	.2785E-01
.6436E+00	.8565E+00	.1005094E+01	.1000000E+01	.5098266E-02	.2863E-01
.6453E+00	.8582E+00	.1005234E+01	.1000000E+01	.5238387E-02	.2942E-01
.6470E+00	.8599E+00	.1005374E+01	.1000000E+01	.5378508E-02	.3021E-01
.6487E+00	.8616E+00	.1005514E+01	.1000000E+01	.5518629E-02	.3099E-01
.6504E+00	.8633E+00	.1005654E+01	.1000000E+01	.5658750E-02	.3178E-01
.6521E+00	.8650E+00	.1005794E+01	.1000000E+01	.5798871E-02	.3257E-01
.6538E+00	.8667E+00	.1005934E+01	.1000000E+01	.5938992E-02	.3335E-01
.6555E+00	.8684E+00	.1006074E+01	.1000000E+01	.6079113E-02	.3414E-01
.6572E+00	.8701E+00	.1006214E+01	.1000000E+01	.6219234E-02	.3493E-01
.6589E+00	.8718E+00	.1006354E+01	.1000000E+01	.6359355E-02	.3571E-01
.6606E+00	.8735E+00	.1006494E+01	.1000000E+01	.6499476E-02	.3650E-01
.6623E+00	.8752E+00	.1006634E+01	.1000000E+01	.6639597E-02	.3729E-01
.6640E+00	.8769E+00	.1006774E+01	.1000000E+01	.6779718E-02	.3807E-01
.6657E+00	.8786E+00	.1006914E+01	.1000000E+01	.6919839E-02	.3886E-01
.6674E+00	.8803E+00	.1007054E+01	.1000000E+01	.7059960E-02	.3965E-01
.6691E+00	.8820E+00	.1007194E+01	.1000000E+01	.7200081E-02	.4043E-01
.6708E+00	.8837E+00	.1007334E+01	.1000000E+01	.7340202E-02	.4122E-01
.6725E+00	.8854E+00	.1007474E+01	.1000000E+01	.7480323E-02	.4201E-01
.6742E+00	.8871E+00	.1007614E+01	.1000000E+01	.7620444E-02	.4279E-01
.6759E+00	.8888E+00	.1007754E+01	.1000000E+01	.7760565E-02	.4358E-01
.6776E+00	.8905E+00	.1007894E+01	.1000000E+01	.7900686E-02	.4437E-01
.6793E+00	.8922E+00	.1008034E+01	.1000000E+01	.8040807E-02	.4515E-01
.6810E+00	.8939E+00	.1008174E+01	.1000000E+01	.8180928E-02	.4594E-01
.6827E+00	.8956E+00	.1008314E+01	.1000000E+01	.8321049E-02	.4673E-01
.6844E+00	.8973E+00	.1008454E+01	.1000000E+01	.8461170E-02	.4751E-01
.6861E+00	.8990E+00	.1008594E+01	.1000000E+01	.8601291E-02	.4830E-01
.6878E+00	.9007E+00	.1008734E+01	.1000000E+01	.8741412E-02	.4909E-01
.6895E+00	.9024E+00	.1008874E+01	.1000000E+01	.8881533E-02	.4987E-01
.6912E+00	.9041E+00	.1009014E+01	.1000000E+01	.9021654E-02	.5066E-01
.6929E+00	.9058E+00	.1009154E+01	.1000000E+01	.9161775E-02	.5145E-01
.6946E+00	.9075E+00	.1009294E+01	.1000000E+01	.9301896E-02	.5223E-01
.6963E+00	.9092E+00	.1009434E+01	.1000000E+01	.9442017E-02	.5302E-01
.6980E+00	.9109E+00	.1009574E+01	.1000000E+01	.9582138E-02	.5381E-01
.6997E+00	.9126E+00	.1009714E+01	.1000000E+01	.9722259E-02	.5459E-01
.7014E+00	.9143E+00	.1009854E+01	.1000000E+01	.9862380E-02	.5538E-01
.7031E+00	.9160E+00	.1009994E+01	.1000000E+01	.1000250E-01	.5617E-01
.7048E+00	.9177E+00	.1010134E+01	.1000000E+01	.1014262E-01	.5695E-01
.7065E+00	.9194E+00	.1010274E+01	.1000000E+01	.1028274E-01	.5774E-01
.7082E+00	.9211E+00	.1010414E+01	.1000000E+01	.1042286E-01	.5853E-01
.7099E+00	.9228E+00	.1010554E+01	.1000000E+01	.1056298E-01	.5931E-01
.7116E+00	.9245E+00	.1010694E+01	.1000000E+01	.1070310E-01	.6010E-01
.7133E+00	.9262E+00	.1010834E+01	.1000000E+01	.1084322E-01	.6089E-01
.7150E+00	.9279E+00	.1010974E+01	.1000000E+01	.1098334E-01	.6167E-01
.7167E+00	.9296E+00	.1011114E+01	.1000000E+01	.1112346E-01	.6246E-01
.7184E+00	.9313E+00	.1011254E+01	.1000000E+01	.1126358E-01	.6325E-01
.7201E+00	.9330E+00	.1011394E+01	.1000000E+01	.1140370E-01	.6403E-01
.7218E+00	.9347E+00	.1011534E+01	.1000000E+01	.1154382E-01	.6482E-01
.7235E+00	.9364E+00	.1011674E+01	.1000000E+01	.1168394E-01	.6561E-01
.7252E+00	.9381E+00	.1011814E+01	.1000000E+01	.1182406E-01	.6639E-01
.7269E+00	.9398E+00	.1011954E+01	.1000000E+01	.1196418E-01	.6718E-01
.7286E+00	.9415E+00	.1012094E+01	.1000000E+01	.1210430E-01	.6797E-01
.7303E+00	.9432E+00	.1012234E+01	.1000000E+01	.1224442E-01	.6875E-01
.7320E+00	.9449E+00	.1012374E+01	.1000000E+01	.1238454E-01	.6954E-01
.7337E+00	.9466E+00	.1012514E+01	.1000000E+01	.1252466E-01	.7033E-01
.7354E+00	.9483E+00	.1012654E+01	.1000000E+01	.1266478E-01	.7111E-01
.7371E+00	.9500E+00	.1012794E+01	.1000000E+01	.1280490E-01	.7190E-01
.7388E+00	.9517E+00	.1012934E+01	.1000000E+01	.1294502E-01	.7269E-01
.7405E+00	.9534E+00	.1013074E+01	.1000000E+01	.1308514E-01	.7347E-01
.7422E+00	.9551E+00	.1013214E+01	.1000000E+01	.1322526E-01	.7426E-01
.7439E+00	.9568E+00	.1013354E+01	.1000000E+01	.1336538E-01	.7505E-01
.7456E+00	.9585E+00	.1013494E+01	.1000000E+01	.1350550E-01	.7583E-01
.7473E+00	.9602E+00	.1013634E+01	.1000000E+01	.1364562E-01	.7662E-01
.7490E+00	.9619E+00	.1013774E+01	.1000000E+01	.1378574E-01	.7741E-01
.7507E+00	.9636E+00	.1013914E+01	.1000000E+01	.1392586E-01	.7819E-01
.7524E+00	.9653E+00	.1014054E+01	.1000000E+01	.1406598E-01	.7898E-01
.7541E+00	.9670E+00	.1014194E+01	.1000000E+01	.1420610E-01	.7977E-01
.7558E+00	.9687E+00	.1014334E+01	.1000000E+01	.1434622E-01	.8055E-01
.7575E+00	.9704E+00	.1014474E+01	.1000000E+01	.1448634E-01	.8134E-01
.7592E+00	.9721E+00	.1014614E+01	.1000000E+01	.1462646E-01	.8213E-01
.7609E+00	.9738E+00	.1014754E+01	.1000000E+01	.1476658E-01	.8291E-01
.7626E+00	.9755E+00	.1014894E+01	.1000000E+01	.1490670E-01	.8370E-01
.7643E+00	.9772E+00	.1015034E+01	.1000000E+01	.1504682E-01	.8449E-01
.7660E+00	.9789E+00	.1015174E+01	.1000000E+01	.1518694E-01	.8527E-01
.7677E+00	.9806E+00	.1015314E+01	.1000000E+01	.1532706E-01	.8606E-01
.7694E+00	.9823E+00	.1015454E+01	.1000000E+01	.1546718E-01	.8685E-01
.7711E+00	.9840E+00	.1015594E+01	.1000000E+01	.1560730E-01	.8763E-01
.7728E+00	.9857E+00	.1015734E+01	.1000000E+01	.1574742E-01	.8842E-01
.7745E+00	.9874E+00	.1015874E+01	.1000000E+01	.1588754E-01	.8921E-01
.7762E+00	.9891E+00	.1016014E+01	.1000000E+01	.1602766E-01	.8999E-01
.7779E+00	.9908E+00	.1016154E+01	.1000000E+01	.1616778E-01	.9078E-01
.7796E+00	.9925E+00	.1016294E+01	.1000000E+01	.1630790E-01	.9157E-01
.7813E+00	.9942E+00	.1016434E+01	.1000000E+01	.1644802E-01	.9235E-01
.7830E+00	.9959E+00	.1016574E+01	.1000000E+01	.1658814E-01	.9314E-01
.7847E+00	.9976E+00	.1016714E+01	.1000000E+01	.1672826E-01	.9393E-01
.7864E+00	.9993E+00	.1016854E+01	.1000000E+01	.1686838E-01	.9471E-01
.7881E+00	.1001E+01	.1016994E+01	.1000000E+01	.1700850E-01	.9550E-01
.7898E+00	.1002E+01	.1017134E+01	.1000000E+01	.1714862E-01	.9629E-01
.7915E+00	.1004E+01	.1017274E+01	.1000000E+01	.1728874E-01	.9707E-01
.7932E+00	.1005E+01	.1017414E+01	.1000000E+01	.1742886E-01	.9786E-01
.7949E+00	.1007E+01	.1017554E+01	.1000000E+01	.1756898E-01	.9865E-01
.7966E+00	.1008E+01	.1017694E+01	.1000000E+01	.1770910E-01	.9943E-01
.7983E+00	.1010E+01	.1017834E+01	.1000000E+01	.1784922E-01	.1002E+00
.8000E+00	.1011E+01	.1017974E+01	.1000000E+01	.1798934E-01	.1010E+00

SPHERE

$R/\lambda = 20$ $T_e/T_i = 1$ $V/C_i = 8$ $e\phi_s/KT_e = -5$

	Z/R	ρ/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
	.2CC0E+02	.1CCCE+02	.999976E+CC	.999971E+C0	.473112E-C5	-.241235E-04
	.1176E+02	.2941E+01	.990201E+CC	.991136E+C0	-.1C088EE-C2	-.984757E-02
	.81C8E+01	.1351E+01	.9C89C3E+CC	.91997CE+C0	-.122826E-C1	-.955167E-01
	.6154E+C1	.7692E+0C	.619562E+CC	.638399E+00	-.2C578CE-C1	-.478743E+00
	.495CE+C1	.4950E+0C	.390784E+CC	.37523CE+C0	.1607EEE-C1	-.939EC2E+00
	.4138E+01	.3448E+CC	.251577E+CC	.152131E+C0	.1C1762E+CC	-.138001E+01
	.3553E+01	.2538E+00	.201463E+CC	.61C83SE-C1	.142913E+CC	-.160215E+01
	.3113E+01	.1946E+CC	.174318E+CC	.1EE7C1E-C1	.1599S1E+CC	-.17468EE+C1
	.2769E+01	.1538E+0C	.160958E+CC	.537373E-C2	.1580C5E+CC	-.182661E+01
	.2494E+01	.1247E+0C	.153287E+CC	.138344E-C2	.154123E+C0	-.187544E+01
	.2268E+01	.1031E+00	.1506CCE+CC	.322C72E-C3	.1522C1E+CC	-.189313E+01
	.208CE+C1	.8666E-01	.154188E+CC	.7649CCE-C4	.155626EE+CC	-.186558E+C1
	.1920E+01	.7386E-01	.166048E+CC	.176477E-C4	.166952E+CC	-.179548E+01
12	.1783E+01	.6369E-01	.1880C4E+CC	.4CE13CE-C5	.188319E+CC	-.167129E+C1
11	.1665E+01	.5549E-01	.220206E+CC	.9C6163E-06	.22C1C7E+CC	-.151319E+01
10	.1561E+01	.4878E-01	.259273E+CC	.2C4933E-C6	.259111E+CC	-.134987E+C1
9	.1469E+01	.4322E-01	.301569E+CC	.47CE11E-C7	.301479E+CC	-.119876E+C1
8	.1388E+01	.3855E-01	.345128E+CC	.115EEEE-07	.345054E+CC	-.106384E+01
7	.1315E+01	.346CE-01	.388624E+CC	.481776E-C8	.388613E+CC	-.945144E+00
6	.1249E+01	.3123E-C1	.429545E+0C	.352748E-C8	.429542E+CC	-.845C28E+00
5	.1190E+01	.2833E-01	.459572E+CC	.39EC23E-C8	.459571E+CC	-.77746CE+00
4	.1136E+01	.2581E-01	.450149E+0C	.5842E4E-08	.450148E+CC	-.798177E+00
3						

SPHERE

$R/\lambda = 20$ $\quad T_e/T_i = 1$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -5$

	Z/R	ρ/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
	.1086E+01	.2362E-01	.333651E+CC	.1C3579E-C7	.333651E+CC	-.109766E+01
	.7692E+01	.1154E+02	.1000CCE+C1	.1CCCCCE+01	-.506639E-C6	-.225780E-C6
	.8000E+01	.6CCCE+01	.100CCCE+C1	.1CCCCCE+C1	-.424683E-C6	-.184912E-06
	.6667E+01	.3333E+01	.100CCCE+C1	.1CCCCCE+C1	-.506639E-C6	-.217544E-06
	.5479E+01	.2C55E+01	.999997E+CC	.1CCCCCE+01	-.748038E-C5	-.289695E-C5
	.4587E+01	.1376E+01	.999652E+CC	.1CCC35E+C1	-.712663E-C3	-.347845E-C3
	.3922E+01	.9804E+0C	.769445E+CC	.7791C3E+C0	-.119951E-C1	-.262086E+00
	.3415E+C1	.7317E+CC	.455644E+CC	.4571C6E+C0	-.336983E-C2	-.786044E+00
	.3019E+01	.566CE+00	.2532C5E+CC	.163462E+C0	.9C9977E-C1	-.137356E+01
	.2703E+01	.4505E+0C	.203382E+CC	.427515E-C1	.16242CE+CC	-.159267E+01
	.2445E+01	.3667E+CC	.200143E+CC	.817723E-C2	.193593E+CC	-.160872E+01
	.2231E+01	.3043E+0C	.217063E+CC	.120614E-C2	.216915E+CC	-.152757E+C1
	.2051E+01	.2564E+0C	.247665E+CC	.156394E-C3	.248134E+CC	-.139568E+01
	.1898E+01	.219CE+0C	.28855CE+CC	.1892C9E-C4	.28876CE+CC	-.124289E+C1
	.1765E+01	.1892E+0C	.335416E+CC	.187466E-05	.335472E+CC	-.109238E+01
	.1650E+01	.1650E+CC	.384594E+CC	.163775E-C6	.384605E+CC	-.955567E+00
	.1549E+01	.1452E+0C	.433975E+CC	.13671CE-07	.433977E+CC	-.834767E+00
	.1459E+01	.1288E+00	.482374E+CC	.179243E-C8	.482374E+CC	-.729035E+00
	.1379E+01	.1149E+0C	.528982E+CC	.324154E-C9	.528982E+CC	-.636801E+00
	.1308E+01	.1032E+0C	.573C94E+CC	.218981E-C9	.573094E+CC	-.556706E+00
	.1243E+01	.9323E-01	.613577E+CC	.152871E-C9	.613577E+CC	-.488449E+00
	.1184E+01	.846CE-01	.646443E+CC	.11C9C2E-C9	.646443E+CC	-.436271E+00
	.1131E+01	.7712E-01	.653726E+0C	.1C9257E-09	.653726E+CC	-.425067E+00
	.1082E+01	.7C59E-C1	.563851E+CC	.3C59C1E-C9	.563851E+CC	-.572966E+00
	.3448E+01	.8621E+01	.1000CCE+C1	.1CCCCCE+C1	-.245869E-C6	-.966348E-C7
	.4878E+C1	.6C98E+01	.100CCCE+C1	.1CCCCCE+C1	-.149012E-C6	-.705082E-C7
	.4918E+01	.4C98E+01	.1000CCE+C1	.1CCCCCE+01	-.894070E-C7	-.33C555E-C7
	.4494E+01	.2809E+01	.1000CCE+C1	.1CCCCCE+01	-.298023E-C7	-.18C961E-07
	.4CCCE+01	.2CCCE+01	.100CCCE+C1	.1CCCCCE+01	-.186265E-C6	-.6949C2E-07
	.3550E+01	.1479E+01	.999987E+CC	.1CCCC1E+01	-.271276E-C4	-.133285E-04
	.3167E+01	.1131E+01	.998296E+CC	.1CC171E+C1	-.343705E-C2	-.17C596E-C2
	.2847E+01	.8897E+0C	.731966E+CC	.7284C9E+C0	.254168E-C2	-.312021E+00
	.2579E+01	.7163E+0C	.382906E+CC	.326382E+CC	.554673E-C1	-.959967E+00
	.2353E+01	.5882E+0C	.250006E+CC	.950560E-C1	.155582E+CC	-.138627E+01
	.2161E+01	.4912E+CC	.231636E+CC	.155962E-C1	.216851E+CC	-.146259E+01
	.1997E+01	.416CE+0C	.255552E+CC	.2828B1E-C2	.253188E+CC	-.136433E+01
	.1854E+01	.3566E+0C	.295C61E+CC	.322547E-C3	.294854E+CC	-.122057E+C1
	.1731E+01	.3095E+00	.34148CE+CC	.374C63E-C4	.341475E+CC	-.107447E+01
	.1622E+01	.2703E+0C	.390186E+CC	.395622E-C5	.390187E+CC	-.941131E+00
	.1525E+01	.2383E+0C	.439028E+0C	.3E6645E-C6	.439028E+CC	-.823192E+00
	.1439E+01	.2117E+CC	.486862E+0C	.377544E-C7	.486862E+CC	-.719774E+00
	.1363E+01	.1893E+CC	.532912E+CC	.41C232E-C8	.532912E+CC	-.629359E+00
	.1293E+01	.1702E+00	.576486E+CC	.711264E-C9	.576486E+CC	-.550C4E+00
	.1231E+01	.1538E+0C	.616443E+0C	.352828E-C9	.616443E+CC	-.483789E+00
	.1174E+01	.1397E+0C	.648718E+CC	.115483E-C9	.648718E+CC	-.432758E+00
	.1122E+01	.1275E+CC	.655067E+0C	.1C9643E-C9	.655067E+CC	-.423016E+00
	.1074E+01	.1168E+0C	.563365E+0C	.1231CCE-C9	.563365E+CC	-.573827E+00
	.1887E+01	.66C4E+01	.100CCCE+C1	.1CCCC0E+C1	-.894070E-C7	-.352613E-07
	.3077E+01	.5385E+01	.1000CCE+C1	.1CCCCCE+C1	-.670552E-C7	-.214463E-07
	.3529E+01	.4118E+01	.1000CCE+C1	.1CCCCCE+01	-.298023E-C7	-.134225E-C7
	.3540E+01	.3C97E+01	.100CCCE+C1	.1CCCCCE+C1	-.745058E-C8	-.979383E-C8
12	.3356E+C1	.2349E+01	.1000CCE+01	.1CCCCCE+01	-.745058E-C8	-.7449CCE-08
11	.3109E+01	.1813E+01	.1000CCE+C1	.1CCCCCE+C1	-.186265E-C6	-.902663E-07
10	.2857E+01	.1429E+01	.999975E+CC	.1CCCC2E+01	-.422C75E-C4	-.210024E-04
9	.2623E+01	.1148E+C1	.996843E+0C	.1CC317E+C1	-.634184E-C2	-.316246E-C2
8	.2413E+01	.9383E+CC	.735115E+CC	.719C18E+C0	.157351E-C1	-.3C7728E+00
7	.2227E+01	.7795E+0C	.456427E+CC	.276937E+C0	.78774CE-C1	-.784327E+C0
6	.2064E+01	.6567E+0C	.3023B5E+CC	.111652E+C0	.190612E+CC	-.119605E+01
5	.1920E+01	.5600E+0C	.279226E+CC	.176562E-C1	.261655E+CC	-.127573E+01
4	.1793E+01	.4828E+0C	.307801E+CC	.2978S4E-02	.3C485CE+CC	-.117830E+01
3						

SPHERE

$R/\lambda = 20$ $T_e/T_i = 1$ $V/C_i = 8$ $e\phi_s/KT_e = -5$

	Z/R	ρ/R	N_e/N_o	N_i/N_o	$(N_e/N_i)/N_o$	$e\phi/KT_e$
	.1681E+01	.42C2E+0C	.351C2EE+CC	.3C96C2E-C3	.35C713E+CC	-.1C469CE+C1
	.1581E+01	.3688E+CC	.398391E+CC	.33C854E-C4	.398353E+CC	-.920321E+00
	.1491E+01	.3262E+0C	.446267E+0C	.3247C3E-C5	.446262E+CC	-.8C6838E+C0
	.1411E+01	.2905E+0C	.493219E+CC	.2917EEE-C6	.493218E+CC	-.7C68C2E+00
	.1338E+01	.2602E+0C	.538426E+CC	.264544E-C7	.538426E+CC	-.619105E+00
	.1273E+01	.2344E+CC	.581197E+CC	.276C75E-C8	.581197E+CC	-.542665E+00
	.1213E+01	.2122E+0C	.620365E+0C	.55027SE-C9	.62C365E+CC	-.477448E+00
	.1158E+01	.1931E+0C	.651729E+CC	.3CE392E-C9	.651729E+CC	-.42E12CE+00
	.11C8E+01	.1763E+0C	.656596E+CC	.111903E-C9	.656596E+CC	-.420686E+00
	.1062E+01	.1617E+CC	.562C61E+CC	.127411E-C9	.5620C1E+CC	-.576145E+C0
	.1176E+01	.5294E+01	.1000CCE+C1	.1CCCCCE+C1	-.298023E-C7	-.145527E-C7
	.2062E+01	.4639E+01	.1000CCE+C1	.1CCCCCE+C1	-.745058E-C8	-.104114E-C7
	.2564E+01	.3846E+01	.1000CCE+C1	.1CCCC0E+01	-.74505EE-C8	-.685062E-08
	.2759E+01	.31C3E+C1	.1000CCE+C1	.1CCCCCE+C1	-.745058E-C8	-.51C7C7E-08
	.2762E+01	.2486E+C1	.1000CCE+C1	.1CCCCCE+01	-.745058E-C8	-.272074E-08
	.2667E+01	.2CC0E+01	.1000CCE+C1	.1CCCCCE+C1	-.745058E-C8	-.128889E-07
	.2527E+01	.1625E+C1	.999999E+CC	.1CCCCCE+C1	-.161678E-C5	-.805947E-C6
	.2374E+01	.1335E+01	.999905E+CC	.1CCCC9E+C1	-.189669E-C3	-.948079E-04
	.2222E+01	.1111E+C1	.9924C2E+0C	.1CC766E+C1	-.152578E-C1	-.762750E-02
	.2C79E+01	.9356E+CC	.651535E+CC	.6C15CCE+00	.500135E-C1	-.428424E+C0
	.1947E+01	.7965E+0C	.413335E+CC	.253877E+C0	.159495E+CC	-.883496E+00
	.1826E+01	.6849E+CC	.33421CE+CC	.825496E-C1	.25167CE+CC	-.109559E+01
	.1717E+01	.5945E+CC	.331652E+CC	.129C78E-C1	.318719E+CC	-.110367E+01
	.1618E+01	.52C2E+0C	.365483E+CC	.2C4378E-C2	.363417E+CC	-.100654E+01
	.1529E+01	.4587E+0C	.409517E+CC	.194586E-C3	.4C9313E+CC	-.892777E+00
	.1448E+01	.4C72E+0C	.455739E+CC	.193723E-04	.455716E+CC	-.785835E+00
	.1374E+01	.3638E+0C	.501447E+0C	.174764E-C5	.501444E+CC	-.690257E+00
	.13C7E+01	.3268E+0C	.545532E+CC	.149295E-C6	.545531E+CC	-.605994E+00
	.1246E+01	.2951E+0C	.58722CE+0C	.131974E-C7	.58722CE+CC	-.532356E+C0
	.1190E+01	.2677E+0C	.625199E+CC	.147428E-C8	.625199E+CC	-.469686E+00
	.1138E+01	.2439E+0C	.654721E+CC	.4C7E86E-C9	.654721E+CC	-.423547E+00
	.1091E+01	.2231E+CC	.65538CE+CC	.29C563E-09	.65538CE+CC	-.42254CE+00
	.1047E+01	.2C48E+0C	.552008E+CC	.114555E-C9	.5520C8E+CC	-.594193E+C0
	.80C0E+00	.44C0E+01	.1000CCE+C1	.1CCCCCE+01	-.745058E-C8	-.5C5772E-08
	.1460E+01	.4015E+01	.1000CCE+01	.1CCCCCE+C1	-.74505EE-C8	-.512426E-08
	.1911E+01	.35C3E+01	.1000CCE+01	.1CCCCCE+C1	-.74505EE-C8	-.544185E-08
	.2162E+01	.2973E+01	.1000CCE+C1	.1CCCCCE+C1	-.745058E-C8	-.285346E-C8
	.2262E+01	.2489E+01	.1000CCE+C1	.1CCCCCE+C1	.745058E-C8	-.146911E-08
	.2264E+01	.2C79E+01	.1CCCCCE+C1	.1CCCCCE+01	-.745058E-C8	.771952E-C9
	.22C8E+01	.1735E+01	.1000CCE+C1	.1CCCCCE+C1	-.12666CE-C6	-.7457C5E-07
	.2122E+C1	.1459E+C1	.999954E+CC	.1CCCC1E+C1	-.12368CE-C4	-.6192C3E-05
	.2022E+01	.123EE+C1	.9996CCE+CC	.1CCC40E+C1	-.800043E-C3	-.400321E-03
	.1919E+01	.1056E+01	.981357E+CC	.1C19C0E+C1	-.376216E-C1	-.188192E-01
	.1818E+01	.9C91E+0C	.518856E+0C	.37C754E+C0	.148272E+CC	-.656C52E+00
	.1722E+01	.7891E+0C	.37714CE+CC	.114316E+C0	.263CC8E+CC	-.975139E+00
	.1631E+01	.69C1E+0C	.3633GCE+CC	.432472E-C1	.32022CE+CC	-.101228E+01
	.1547E+01	.6C77E+CC	.38465CE+CC	.726596E-C2	.3774C3E+CC	-.955421E+00
	.1469E+01	.5387E+0C	.423476E+CC	.938CC1E-C3	.422543E+CC	-.859259E+C0
	.1397E+01	.48C3E+0C	.467252E+CC	.8573C7E-04	.467167E+CC	-.76C886E+00
	.1331E+01	.43C7E+0C	.511314E+CC	.8CE437E-C5	.5113C6E+CC	-.67C771E+00
	.1270E+01	.3881E+0C	.55388CE+CC	.67E451E-C6	.553879E+CC	-.59C8C8E+00
12	.1214E+01	.3514E+CC	.593516E+CC	.56C597E-C7	.593516E+CC	-.521691E+00
11	.1162E+01	.3196E+0C	.626181E+CC	.512117E-C8	.626181E+CC	-.468116E+00
10	.1114E+01	.2918E+0C	.634332E+CC	.771122E-C9	.634332E+CC	-.455182E+C0
9	.1070E+01	.2674E+0C	.548828E+CC	.41C2C3E-09	.548828E+CC	-.599997E+00
8	.1028E+01	.2459E+0C	.243411E+CC	.822768E-C9	.243411E+CC	-.141300E+01
7	.578CE+00	.3757E+C1	.1000CCE+C1	.1CCCCCE+01	-.745058E-C8	-.148771E-C8
6	.1081E+01	.3514E+01	.1000CCE+01	.1CCCCCE+C1	-.745058E-C8	.54C168E-10
5	.1463E+01	.3171E+C1	.1000CCE+01	.1CCCCCE+C1	.745058E-C8	-.670647E-09
4	.1717E+01	.279CE+01	.1000CCE+C1	.1CCCCCE+C1	-.745058E-C8	.137249E-08
3						

SPHERE

$R/\lambda = 20$ $T_e/T_i = 1$ $V/C_i = 8$ $e\phi_s/KT_e = -5$

Z/R	ρ/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.1859E+01	.2416E+01	.1000000E+01	.1000000E+01	-.7450588E-08	.2109456E-08
.1917E+01	.2077E+01	.1000000E+01	.1000000E+01	-.7450588E-08	.8845144E-09
.1918E+01	.1781E+01	.1000000E+01	.1000000E+01	-.3650788E-06	-.1976478E-06
.1882E+01	.1529E+01	.9999878E+00	.1000001E+01	-.2629316E-04	-.1318195E-04
.1826E+01	.1318E+01	.9993146E+00	.1000069E+01	-.1369746E-02	-.6858955E-03
.1757E+01	.1142E+01	.9731766E+00	.1002756E+01	-.5432946E-01	-.2719046E-01
.1685E+01	.9954E+00	.4339316E+00	.1754596E+00	.2587606E+00	-.8348706E+00
.1611E+01	.8725E+00	.4000886E+00	.1521446E+00	.2489816E+00	-.9140926E+00
.1538E+01	.7692E+00	.3957576E+00	.8028466E-01	.3155926E+00	-.9269546E+00
.1469E+01	.6821E+00	.4070106E+00	.1731276E-01	.3897406E+00	-.8989176E+00
.1403E+01	.6080E+00	.4398546E+00	.2921976E-02	.4369456E+00	-.8213126E+00
.1341E+01	.5448E+00	.4805236E+00	.2818826E-03	.4802446E+00	-.7328816E+00
.1283E+01	.4906E+00	.5226096E+00	.2641696E-04	.5225846E+00	-.6485216E+00
.1229E+01	.4437E+00	.5635316E+00	.2334446E-05	.5635296E+00	-.5735336E+00
.1178E+01	.4030E+00	.6015506E+00	.1915226E-06	.6015506E+00	-.5082466E+00
.1131E+01	.3674E+00	.6321766E+00	.1617636E-07	.6321766E+00	-.4566886E+00
.1086E+01	.3363E+00	.6365796E+00	.1719646E-08	.6365796E+00	-.4516476E+00
.1045E+01	.3088E+00	.5436406E+00	.4998456E-09	.5436406E+00	-.6094676E+00
.1007E+01	.2845E+00	.2347656E+00	.7781356E-09	.2347656E+00	-.1449176E+01
.4367E+00	.3275E+01	.1000006E+01	.1000000E+01	-.7450588E-08	.1809206E-08
.8299E+00	.3112E+01	.1000006E+01	.1000000E+01	.7450588E-08	-.7031646E-09
.1149E+01	.2874E+01	.1000006E+01	.1000000E+01	-.7450588E-08	.1098436E-08
.1394E+01	.2595E+01	.1000006E+01	.1000000E+01	-.7450588E-08	.1399126E-08
.1538E+01	.2308E+01	.1000006E+01	.1000000E+01	.7450588E-08	-.1044696E-08
.1626E+01	.2033E+01	.1000006E+01	.1000000E+01	-.7450588E-08	.1813926E-08
.1663E+01	.1781E+01	.1000006E+01	.1000000E+01	-.6705526E-07	-.2257966E-07
.1663E+01	.1559E+01	.9999956E+00	.1000000E+01	-.2413956E-05	-.1231886E-05
.1639E+01	.1366E+01	.9999516E+00	.1000005E+01	-.9781876E-04	-.4892986E-04
.1600E+01	.1200E+01	.9984786E+00	.1001526E+01	-.3044686E-02	-.1522846E-02
.1551E+01	.1058E+01	.9637256E+00	.1037646E+01	-.7390136E-01	-.3694936E-01
.1498E+01	.9363E+00	.4968616E+00	.2034946E+00	.2933986E+00	-.6994456E+00
.1443E+01	.8324E+00	.4322556E+00	.9273826E-01	.3395486E+00	-.8387316E+00
.1388E+01	.7433E+00	.4336236E+00	.3490226E-01	.3987346E+00	-.8355806E+00
.1333E+01	.6667E+00	.4585296E+00	.5993976E-02	.4525406E+00	-.7797316E+00
.1281E+01	.6005E+00	.4953166E+00	.7882766E-03	.4945256E+00	-.7025606E+00
.1231E+01	.5431E+00	.5350206E+00	.7109576E-04	.5349456E+00	-.6254516E+00
.1183E+01	.4931E+00	.5739866E+00	.6598846E-05	.5739796E+00	-.5551516E+00
.1138E+01	.4494E+00	.6098236E+00	.5436606E-06	.6098226E+00	-.4945876E+00
.1096E+01	.4110E+00	.6366896E+00	.4461196E-07	.6366896E+00	-.4514746E+00
.1056E+01	.3771E+00	.6318946E+00	.4245756E-08	.6318946E+00	-.4590346E+00
.1018E+01	.3471E+00	.5198556E+00	.8179756E-09	.5198556E+00	-.6542066E+00
.9825E+00	.3204E+00	.2091086E+00	.9958036E-09	.2091086E+00	-.1564956E+01
.3413E+00	.2901E+01	.1000006E+01	.1000000E+01	-.7450588E-08	.1448276E-08
.6557E+00	.2787E+01	.1000006E+01	.1000000E+01	.7450588E-08	-.1522296E-08
.9231E+00	.2615E+01	.1000006E+01	.1000000E+01	-.7450588E-08	.1730496E-08
.1133E+01	.2406E+01	.1000006E+01	.1000000E+01	.7450588E-08	-.1320956E-08
.1285E+01	.2185E+01	.1000006E+01	.1000000E+01	-.7450588E-08	.1907776E-08
.1386E+01	.1963E+01	.1000006E+01	.1000000E+01	-.7450588E-08	.1363176E-08
.1443E+01	.1753E+01	.1000006E+01	.1000000E+01	-.8940706E-07	-.5422376E-07
.1468E+01	.1566E+01	.9999986E+00	.1000000E+01	-.3725296E-05	-.1870826E-05
.1468E+01	.1387E+01	.9999936E+00	.1000006E+01	-.1217426E-03	-.6087756E-04
.1451E+01	.1234E+01	.9983786E+00	.1001626E+01	-.3245606E-02	-.1622906E-02
.1423E+01	.1100E+01	.9650596E+00	.1036216E+01	-.7114496E-01	-.3556636E-01
.1387E+01	.9827E+00	.5232956E+00	.1967826E+00	.3265206E+00	-.6476096E+00
.1347E+01	.8808E+00	.4664416E+00	.1261406E+00	.3403056E+00	-.7626236E+00
.1305E+01	.7922E+00	.4602576E+00	.5125976E-01	.4089626E+00	-.7755696E+00
.1262E+01	.7149E+00	.4782496E+00	.9866506E-02	.4683846E+00	-.7376246E+00
.1219E+01	.6474E+00	.5110846E+00	.1675076E-02	.5094056E+00	-.6712216E+00
.1176E+01	.5882E+00	.5490546E+00	.1562406E-03	.5478586E+00	-.6013826E+00
.1136E+01	.5363E+00	.5841846E+00	.1481336E-04	.5841696E+00	-.5375406E+00

SPHERE

$R/\lambda = 20$ $T_e/T_i = 1$ $V/C_i = 8$ $e\phi_s/KT_e = -5$

	Z/R	ρ/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
	.1056E+01	.4905E+00	.614022E+00	.128003E-05	.614021E+00	-.487724E+00
	.1059E+01	.4500E+00	.619151E+00	.113066E-06	.619151E+00	-.479407E+00
	.1023E+01	.4140E+00	.531108E+00	.150901E-07	.531108E+00	-.632790E+00
	.9888E+00	.3820E+00	.233384E+00	.120970E-07	.233384E+00	-.145507E+01
	.9563E+00	.3534E+00	.741626E-02	.100000E+01	.000000E+00	-.490408E+01
	.2740E+00	.2603E+01	.100000E+01	.100000E+01	.745058E-08	-.677603E-09
	.5305E+00	.2520E+01	.100000E+01	.100000E+01	-.745058E-08	.150858E-08
	.7557E+00	.2393E+01	.100000E+01	.100000E+01	-.745058E-08	.670398E-09
	.9412E+00	.2235E+01	.100000E+01	.100000E+01	.745058E-08	-.131549E-08
	.1085E+01	.2061E+01	.100000E+01	.100000E+01	-.745058E-08	.143493E-08
	.1188E+01	.1881E+01	.100000E+01	.100000E+01	.745058E-08	-.197979E-08
	.1257E+01	.1706E+01	.100000E+01	.100000E+01	-.745058E-08	-.217224E-07
	.1297E+01	.1540E+01	.100000E+01	.100000E+01	-.804663E-06	-.403622E-06
	.1314E+01	.1387E+01	.999950E+00	.100001E+01	-.203922E-04	-.101907E-04
	.1314E+01	.1248E+01	.999786E+00	.100021E+01	-.428878E-03	-.214469E-03
	.1302E+01	.1124E+01	.996274E+00	.100374E+01	-.746575E-02	-.373291E-02
	.1281E+01	.1014E+01	.947797E+00	.105508E+01	-.107281E+00	-.536153E-01
	.1254E+01	.9161E+00	.531983E+00	.102705E+00	.429275E+00	-.631144E+00
	.1223E+01	.8297E+00	.490258E+00	.582169E-01	.432042E+00	-.712823E+00
	.1190E+01	.7534E+00	.499655E+00	.160665E-01	.483586E+00	-.693838E+00
	.1155E+01	.6859E+00	.527656E+00	.279092E-02	.524865E+00	-.639311E+00
	.1121E+01	.6262E+00	.561649E+00	.291254E-03	.561358E+00	-.576878E+00
	.1086E+01	.5733E+00	.595237E+00	.271637E-04	.595209E+00	-.518796E+00
	.1053E+01	.5263E+00	.621703E+00	.240472E-05	.621701E+00	-.475293E+00
	.1020E+01	.4844E+00	.620104E+00	.204027E-06	.620104E+00	-.477868E+00
	.9882E+00	.4471E+00	.519032E+00	.214753E-07	.519032E+00	-.655795E+00
	.9578E+00	.4136E+00	.217581E+00	.559760E-08	.217581E+00	-.152518E+01
	.9285E+00	.3835E+00	.689508E-02	.100000E+01	.000000E+00	-.497655E+01
	.2247E+00	.2360E+01	.100000E+01	.100000E+01	.745058E-08	-.174233E-08
	.4376E+00	.2298E+01	.100000E+01	.100000E+01	-.745058E-08	.179042E-08
	.6289E+00	.2201E+01	.100000E+01	.100000E+01	-.745058E-08	.103766E-08
	.7921E+00	.2079E+01	.100000E+01	.100000E+01	.745058E-08	-.192460E-08
	.9242E+00	.1941E+01	.100000E+01	.100000E+01	-.745058E-08	.122237E-08
	.1026E+01	.1795E+01	.100000E+01	.100000E+01	.745058E-08	-.269013E-08
	.1099E+01	.1648E+01	.100000E+01	.100000E+01	-.298023E-07	-.371944E-07
	.1148E+01	.1506E+01	.999999E+00	.100000E+01	-.125915E-05	-.619257E-06
	.1176E+01	.1373E+01	.999987E+00	.100001E+01	-.259355E-04	-.129521E-04
	.1189E+01	.1249E+01	.999767E+00	.100023E+01	-.466719E-03	-.233344E-03
	.1189E+01	.1135E+01	.996376E+00	.100364E+01	-.726173E-02	-.363088E-02
	.1180E+01	.1032E+01	.952134E+00	.105027E+01	-.981390E-01	-.490498E-01
	.1164E+01	.9400E+00	.560049E+00	.118766E+00	.441283E+00	-.579731E+00
	.1143E+01	.8571E+00	.509442E+00	.501817E-01	.459261E+00	-.674439E+00
	.1119E+01	.7830E+00	.518266E+00	.200571E-01	.498209E+00	-.657267E+00
	.1092E+01	.7167E+00	.543571E+00	.370542E-02	.539865E+00	-.609595E+00
	.1064E+01	.6575E+00	.574870E+00	.450553E-03	.574420E+00	-.553610E+00
	.1036E+01	.6045E+00	.605156E+00	.417614E-04	.605115E+00	-.502268E+00
	.1008E+01	.5570E+00	.625217E+00	.386629E-05	.625213E+00	-.469657E+00
	.9799E+00	.5145E+00	.607514E+00	.349056E-06	.607513E+00	-.498381E+00
	.9524E+00	.4762E+00	.475565E+00	.431058E-07	.475565E+00	-.743252E+00
	.9255E+00	.4417E+00	.176671E+00	.137438E-07	.176671E+00	-.173346E+01
	.8995E+00	.4106E+00	.636667E-02	.100000E+01	.000000E+00	-.505668E+01
12	.1876E+00	.2158E+01	.100000E+01	.100000E+01	-.745058E-08	.114791E-08
11	.3670E+00	.2110E+01	.100000E+01	.100000E+01	-.745058E-08	.150562E-08
10	.5310E+00	.2035E+01	.100000E+01	.100000E+01	.745058E-08	-.130639E-08
9	.6745E+00	.1939E+01	.100000E+01	.100000E+01	.745058E-08	-.155030E-08
8	.7949E+00	.1828E+01	.100000E+01	.100000E+01	-.745058E-08	.143170E-08
7	.8915E+00	.1709E+01	.100000E+01	.100000E+01	-.745058E-08	-.177125E-08
6	.9655E+00	.1586E+01	.100000E+01	.100000E+01	-.149012E-06	-.687756E-07
5	.1019E+01	.1465E+01	.999995E+00	.100000E+01	-.259286E-05	-.131269E-05
4	.1055E+01	.1348E+01	.999978E+00	.100002E+01	-.446513E-04	-.223226E-04
3						

SPHERE

$R/\lambda = 20$ $\quad T_e/T_i = 1$ $\quad V/C_i = 1$ $\quad e\phi_s/KT_e = -5$

	Z/R	ρ/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
	.1076E+01	.1238E+01	.999663E+00	.1000034E+01	-.673667E-03	-.336817E-03
	.1086E+01	.1135E+01	.999524E+00	.1000450E+01	-.897259E-03	-.448627E-02
	.1086E+01	.1041E+01	.948478E+00	.1005432E+01	-.105843E+00	-.528968E-01
	.1079E+01	.9544E+00	.574135E+00	.9600786E-01	.478127E+00	-.554896E+00
	.1066E+01	.8759E+00	.526833E+00	.4044718E-01	.480361E+00	-.640872E+00
	.1050E+01	.8048E+00	.535532E+00	.2187145E-01	.513661E+00	-.624494E+00
	.1030E+01	.7405E+00	.558566E+00	.4266665E-02	.554297E+00	-.582382E+00
	.1009E+01	.6825E+00	.586394E+00	.5866037E-03	.585806E+00	-.533764E+00
	.9863E+00	.6301E+00	.609047E+00	.5591726-04	.608992E+00	-.495859E+00
	.9630E+00	.5829E+00	.604174E+00	.5863406-05	.604168E+00	-.503893E+00
	.9394E+00	.5402E+00	.502585E+00	.8221966-06	.502585E+00	-.687990E+00
	.9158E+00	.5015E+00	.211013E+00	.5851106-06	.211013E+00	-.155583E+01
	.8925E+00	.4665E+00	.697881E-02	.1000000E+01	.000000E+00	-.496488E+01
	.8696E+00	.4348E+00	.584046E-02	.1000000E+01	.000000E+00	-.514296E+01
	.1590E+00	.1987E+01	.100000E+01	.1000000E+01	.745058E-08	-.201059E-08
	.3120E+00	.1950E+01	.100000E+01	.1000000E+01	-.745058E-08	.168417E-08
	.4539E+00	.1891E+01	.100000E+01	.1000000E+01	.745058E-08	-.160772E-08
	.5806E+00	.1814E+01	.100000E+01	.1000000E+01	-.745058E-08	.165218E-08
	.6897E+00	.1724E+01	.100000E+01	.1000000E+01	-.745058E-08	.663170E-09
	.7802E+00	.1625E+01	.100000E+01	.1000000E+01	-.298023E-07	-.105112E-07
	.8526E+00	.1523E+01	.100000E+01	.1000000E+01	-.327826E-06	-.181256E-06
	.9081E+00	.1419E+01	.999997E+00	.1000000E+01	-.531226E-05	-.265649E-05
	.9484E+00	.1317E+01	.999963E+00	.1000004E+01	-.749901E-04	-.374683E-04
	.9756E+00	.1220E+01	.999523E+00	.1000048E+01	-.954106E-03	-.477067E-03
	.9919E+00	.1127E+01	.994554E+00	.1000548E+01	-.109223E-01	-.546115E-02
	.9992E+00	.1041E+01	.945267E+00	.1057905E+01	-.112636E+00	-.562880E-01
	.9992E+00	.9608E+00	.592092E+00	.8892516-01	.503167E+00	-.524093E+00
	.9936E+00	.8872E+00	.543951E+00	.4119706-01	.502754E+00	-.608896E+00
	.9836E+00	.8197E+00	.551370E+00	.2112246-01	.530247E+00	-.599350E+00
	.9703E+00	.7580E+00	.571907E+00	.4406626-02	.567498E+00	-.558780E+00
	.9545E+00	.7019E+00	.594830E+00	.6607326-03	.594169E+00	-.519480E+00
	.9370E+00	.6507E+00	.606186E+00	.6559886-04	.606126E+00	-.500565E+00
	.9183E+00	.6042E+00	.574183E+00	.7491956-05	.574175E+00	-.554808E+00
	.8985E+00	.5618E+00	.428952E+00	.1106856-05	.428951E+00	-.846405E+00
	.8790E+00	.5232E+00	.152453E+00	.3950656-06	.152453E+00	-.188095E+01
	.8590E+00	.4881E+00	.634155E-02	.1000006E+01	.000000E+00	-.506063E+01
	.8391E+00	.4560E+00	.532440E-02	.1000000E+01	.000000E+00	-.523546E+01
	.1364E+00	.1842E+01	.100000E+01	.1000000E+01	-.745058E-08	.511057E-09
	.2685E+00	.1812E+01	.100000E+01	.1000000E+01	.745058E-08	-.271385E-08
	.3922E+00	.1765E+01	.100000E+01	.1000000E+01	.745058E-08	-.244787E-08
	.5044E+00	.1702E+01	.100000E+01	.1000000E+01	.745058E-08	-.110656E-08
	.6031E+00	.1628E+01	.100000E+01	.1000000E+01	-.745058E-08	-.125722E-08
	.6873E+00	.1546E+01	.100000E+01	.1000000E+01	-.298023E-07	-.474563E-07
	.7568E+00	.1459E+01	.100000E+01	.1000000E+01	-.864267E-06	-.414842E-06
	.8122E+00	.1371E+01	.999995E+00	.1000001E+01	-.106767E-04	-.527063E-05
	.8547E+00	.1282E+01	.999938E+00	.1000006E+01	-.124462E-03	-.623826E-04
	.8857E+00	.1196E+01	.999327E+00	.1000067E+01	-.134674E-02	-.673298E-03
	.9068E+00	.1113E+01	.993362E+00	.1000668E+01	-.133206E-01	-.666020E-02
	.9195E+00	.1034E+01	.941480E+00	.1006216E+01	-.120678E+00	-.603025E-01
	.9253E+00	.9605E+00	.606236E+00	.6927286-01	.536966E+00	-.500482E+00
	.9253E+00	.8923E+00	.559692E+00	.3787456-01	.521818E+00	-.580368E+00
12	.9208E+00	.8287E+00	.564756E+00	.1506936-01	.549697E+00	-.571361E+00
11	.9127E+00	.7701E+00	.580030E+00	.4201376-02	.575829E+00	-.544675E+00
10	.9019E+00	.7162E+00	.587905E+00	.6866506-03	.587219E+00	-.531190E+00
9	.8885E+00	.6667E+00	.555058E+00	.8629446-04	.554972E+00	-.588682E+00
8	.8744E+00	.6213E+00	.414911E+00	.1893686-04	.414892E+00	-.879692E+00
7	.8587E+00	.5796E+00	.151417E+00	.1955236-04	.151397E+00	-.188772E+01
6	.8424E+00	.5415E+00	.678531E-02	.1000000E+01	.000000E+00	-.499299E+01
5	.8255E+00	.5066E+00	.572814E-02	.1000000E+01	.000000E+00	-.516236E+01
4	.8084E+00	.4745E+00	.482544E-02	.1000000E+01	.000000E+00	-.533385E+01
3						

SPHERE

$R/\lambda = 20$ $T_e/T_i = 1$ $V/C_i = 8$ $e\phi_s/KT_e = -5$

	Z/R	ρ/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
	.1183E+00	.1716E+01	.1000C0E+01	.1000C0E+01	-.298023E-07	-.524300E-07
	.2334E+00	.1692E+01	.1000C0E+01	.1000C0E+01	-.894070E-07	.233357E-07
	.3421E+00	.1653E+01	.1000C0E+01	.1000C0E+01	.745058E-08	.464203E-07
	.4420E+00	.1602E+01	.1000C0E+01	.1000C0E+01	.208616E-06	-.115550E-06
	.5313E+00	.1541E+01	.1000C0E+01	.1000C0E+01	-.186265E-06	-.571461E-07
	.6091E+00	.1472E+01	.1000C0E+01	.1000C0E+01	-.864267E-06	.174500E-06
	.6750E+00	.1398E+01	.999999E+00	.1000C0E+01	-.197440E-05	-.112317E-05
	.7293E+00	.1322E+01	.999988E+00	.1000C1E+01	-.228956E-04	-.122526E-04
	.7725E+00	.1245E+01	.999887E+00	.1000I1E+01	-.224918E-03	-.112811E-03
	.8058E+00	.1168E+01	.999000E+00	.1001000E+01	-.199975E-02	-.100007E-02
	.8302E+00	.1094E+01	.991691E+00	.1008388E+01	-.166883E-01	-.834392E-02
	.8469E+00	.1023E+01	.936864E+00	.1067398E+01	-.130530E+00	-.652172E-01
	.8570E+00	.9558E+00	.620061E+00	.561210E-01	.563940E+00	-.477937E+00
	.8615E+00	.8923E+00	.572998E+00	.342424E-01	.538756E+00	-.556872E+00
	.8616E+00	.8329E+00	.573105E+00	.169654E-01	.556140E+00	-.556686E+00
	.8579E+00	.7775E+00	.574632E+00	.352529E-02	.570707E+00	-.554025E+00
	.8513E+00	.7261E+00	.540326E+00	.761710E-03	.539564E+00	-.615584E+00
	.8423E+00	.6785E+00	.400592E+00	.178675E-03	.400413E+00	-.914811E+00
	.8315E+00	.6346E+00	.142570E+00	.200375E-03	.142370E+00	-.194792E+01
	.8193E+00	.5940E+00	.714997E-02	.100000E+01	.000000E+00	-.494065E+01
	.8061E+00	.5566E+00	.607285E-02	.100000E+01	.000000E+00	-.510392E+01
	.7922E+00	.5221E+00	.514503E-02	.100000E+01	.000000E+00	-.526972E+01
	.7778E+00	.4904E+00	.434891E-02	.100000E+01	.000000E+00	-.543783E+01
	.1036E+00	.1606E+01	.100000E+01	.100000E+01	-.221282E-05	.361246E-06
	.2047E+00	.1586E+01	.100000E+01	.100000E+01	.187755E-05	-.127916E-06
	.3009E+00	.1555E+01	.999999E+00	.100000E+01	.245124E-05	-.205722E-05
	.3902E+00	.1512E+01	.100000E+01	.999998E+00	-.610948E-05	.173169E-05
	.4713E+00	.1461E+01	.100000E+01	.999999E+00	-.169873E-05	.241409E-05
	.5430E+00	.1403E+01	.999996E+00	.100000E+01	.930578E-05	-.365059E-05
	.6050E+00	.1340E+01	.999950E+00	.100001E+01	-.807643E-05	-.101045E-04
	.6574E+00	.1274E+01	.999955E+00	.100005E+01	-.973416E-04	-.453996E-04
	.7004E+00	.1206E+01	.999673E+00	.100033E+01	-.678793E-03	-.327021E-03
	.7348E+00	.1139E+01	.997682E+00	.100232E+01	-.465639E-02	-.231929E-02
	.7612E+00	.1073E+01	.984995E+00	.101523E+01	-.302369E-01	-.151191E-01
	.7807E+00	.1008E+01	.914272E+00	.109377E+01	-.179485E+00	-.896267E-01
	.7941E+00	.9469E+00	.625671E+00	.496661E-01	.576605E+00	-.468931E+00
	.8023E+00	.8883E+00	.578929E+00	.294208E-01	.549509E+00	-.546575E+00
	.8060E+00	.8329E+00	.569874E+00	.139918E-01	.555882E+00	-.562340E+00
	.8066E+00	.7809E+00	.542573E+00	.379641E-02	.538776E+00	-.611433E+00
	.8030E+00	.7322E+00	.429141E+00	.109156E-02	.428049E+00	-.845969E+00
	.7975E+00	.6868E+00	.174320E+00	.888893E-03	.173431E+00	-.174686E+01
	.7900E+00	.6445E+00	.741626E-02	.100000E+01	.000000E+00	-.490408E+01
	.7809E+00	.6052E+00	.634155E-02	.100000E+01	.000000E+00	-.506063E+01
	.7706E+00	.5688E+00	.540650E-02	.100000E+01	.000000E+00	-.522015E+01
	.7594E+00	.5350E+00	.459688E-02	.100000E+01	.000000E+00	-.538238E+01
	.7475E+00	.5037E+00	.389886E-02	.100000E+01	.000000E+00	-.554707E+01
	.9149E-01	.1510E+01	.999585E+00	.100002E+01	.171736E-04	-.154760E-04
	.1810E+00	.1493E+01	.999586E+00	.100001E+01	-.161678E-05	-.142759E-04
	.2667E+00	.1467E+01	.100003E+01	.999971E+00	-.676811E-04	.288964E-04
	.3469E+00	.1431E+01	.999995E+00	.100000E+01	.523627E-04	-.457902E-05
	.4205E+00	.1388E+01	.999965E+00	.100003E+01	.605658E-04	-.346396E-04
12	.4866E+00	.1338E+01	.999992E+00	.100001E+01	-.713766E-04	-.824966E-05
11	.5447E+00	.1284E+01	.999999E+00	.100000E+01	-.168450E-03	-.137200E-05
10	.5948E+00	.1227E+01	.999792E+00	.100021E+01	-.480972E-03	-.208362E-03
9	.6369E+00	.1168E+01	.998426E+00	.100158E+01	-.303903E-02	-.157572E-02
8	.6716E+00	.1108E+01	.989644E+00	.101046E+01	-.206732E-01	-.104095E-01
7	.6993E+00	.1049E+01	.934211E+00	.107042E+01	-.136162E+00	-.680524E-01
6	.7207E+00	.9910E+00	.644997E+00	.186205E-01	.626383E+00	-.438509E+00
5	.7365E+00	.9348E+00	.579533E+00	.314300E-01	.548105E+00	-.545533E+00
4	.7475E+00	.8809E+00	.561422E+00	.252185E-01	.536204E+00	-.577282E+00
3						

SPHERE

$R/\lambda = 20$ $T_e/T_i = 1$ $V/C_i = 8$ $e\phi_s/KT_e = 5$

	Z/R	ρ/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
	.7541E+00	.8296E+00	.539644E+CC	.11C172E-C1	.528627E+CC	-.616845E+00
	.7572E+00	.7805E+00	.475117E+CC	.4C8235E-02	.471034E+CC	-.744195E+00
	.7572E+00	.735CE+00	.316895E+CC	.146365E-C2	.315431E+CC	-.114919E+01
	.7547E+00	.6918E+CC	.103042E+CC	.566325E-C3	.1C2474E+CC	-.227262E+01
	.75C1E+00	.6514E+0C	.651993E-C2	.1CCCC0E+01	.CCCOCCE+CC	-.503289E+01
	.7438E+00	.6136E+0C	.559682E-C2	.1CCCCCE+01	.CCCOCCE+CC	-.518556E+01
	.7361E+00	.5783E+0C	.478941E-02	.1CCCCCE+01	.CCCOCCE+CC	-.534135E+01
	.7273E+00	.5455E+CC	.408677E-C2	.1CCCCCE+01	.CCCOCCE+CC	-.55CCCCE+01
	.7176E+00	.5148E+0C	.347805E-C2	.1CCCCCE+C1	.CCCOOCE+CC	-.566127E+01
	.8137E-01	.1424E+C1	.1000C1E+C1	.9999E6E+C0	-.304714E-C3	.14217CE-04
	.1612E+00	.1410E+01	.100C18E+C1	.9996E5E+00	-.297621E-C3	.175388E-03
	.2379E+00	.1388E+01	.999855E+CC	.1CCC14E+C1	.5C9828E-C3	-.144842E-03
	.31C3E+00	.1358E+C1	.999918E+0C	.1CCCC8E+01	-.8192CCE-C4	-.817697E-04
	.3774E+00	.1321E+01	.100012E+C1	.9999E8E+C0	-.513382E-C3	.121518E-03
	.4383E+C0	.1278E+01	.1000C6E+C1	.9999E1E+C0	-.168629E-C3	.554C99E-04
	.4926E+00	.1232E+01	.999723E+CC	.1CCC28E+01	-.82925CE-C5	-.27664CE-C3
	.54C2E+00	.1182E+01	.998913E+CC	.1CC1C9E+01	-.16C089E-C2	-.1C8760E-02
	.581CE+C0	.113CE+01	.995269E+0C	.1CC475E+C1	-.94732CE-C2	-.474220E-02
	.6154E+00	.1C77E+01	.976778E+0C	.1C2377E+01	-.47332CE-C1	-.234963E-01
	.6437E+00	.1024E+01	.893C28E+CC	.111579E+C1	-.2270CCE+CC	-.113138E+00
	.6663E+00	.9717E+CC	.61332CE+CC	.317C24E-01	.581594E+CC	-.488869E+00
	.6839E+00	.92C6E+00	.547125E+0C	.261945E-C1	.520923E+CC	-.603079E+00
	.6969E+00	.8711E+00	.502756E+CC	.232459E-C1	.4755C8E+CC	-.687650E+00
	.7059E+00	.8235E+0C	.4261C5E+CC	.129776E-C1	.413127E+CC	-.853068E+00
	.7114E+00	.7781E+CC	.290572E+CC	.972457E-C2	.28C847E+CC	-.123590E+01
	.7140E+00	.735CE+0C	.9932C5E-01	.895462E-02	.9C3662E-C1	-.220940E+01
	.714CE+00	.6942E+0C	.659822E-C2	.1CCCCCE+C1	.CCCOCCE+CC	-.502096E+01
	.7119E+00	.6557E+0C	.5706CCE-02	.1CCCCCE+01	.CCCOCCE+CC	-.516624E+01
	.708CE+00	.6195E+0C	.491692E-C2	.1CCCCCE+01	.CCCOCCE+CC	-.531507E+01
	.7026E+00	.5855E+0C	.422315E-C2	.1CCCCCE+C1	.CCCOCCE+CC	-.546717E+01
	.696CE+00	.5536E+0C	.36164CE-C2	.1CCCCCE+01	.CCCOCCE+CC	-.562228E+01
	.6884E+00	.5238E+0C	.308829E-C2	.1CCCCCE+C1	.CCCOCCE+CC	-.578014E+01
	.7283E-01	.1347E+01	.999636E+CC	.1CCC36E+C1	.153273E-C3	-.363642E-03
	.1444E+00	.1236E+01	.999C86E+CC	.1CCC91E+C1	.176123E-C2	-.914368E-03
	.2135E+00	.1317E+01	.999566E+0C	.1CCCC3E+C1	-.129977E-C2	-.3154C3E-04
	.2791E+00	.1291E+01	.100019E+C1	.999E10E+00	-.8445C1E-C3	.189697E-03
	.34C4E+00	.1259E+01	.99967CE+CC	.1CCC33E+C1	.595175E-C3	-.330223E-03
	.3966E+00	.1223E+01	.999222E+0C	.1CCC7EE+C1	-.135511E-C3	-.778554E-03
	.4473E+00	.1182E+01	.998498E+CC	.1CC150E+C1	-.295616E-C2	-.150351E-02
	.4923E+00	.1138E+01	.99526CE+CC	.1CC476E+C1	-.103812E-C1	-.475141E-02
	.5316E+00	.1C93E+01	.980251E+CC	.1C2C15E+01	-.4C5065E-C1	-.199468E-01
	.5653E+00	.1C46E+C1	.910685E+CC	.1C98C7E+C1	-.187246E+CC	-.935586E-01
	.5936E+00	.9984E+0C	.622646E+0C	.3317C2E-C2	.619336E+CC	-.473778E+00
	.617CE+00	.9512E+0C	.519C73E+CC	.156662E-C1	.5C34C4E+CC	-.655711E+00
	.6357E+00	.9046E+CC	.443533E+0C	.328876E-C1	.410644E+CC	-.812982E+00
	.65C3E+00	.8593E+0C	.328915E+CC	.4567C2E-01	.283244E+CC	-.111195E+01
	.6611E+00	.8153E+0C	.18C788E+0C	.618753E-01	.1189C8E+CC	-.171043E+01
	.6686E+00	.7731E+0C	.800165E-01	.466665E-01	.333497E-C1	-.252552E+C1
	.6733E+00	.7327E+0C	.6572CCE-C2	.1CCCCCE+01	.CCOOCCE+CC	-.502494E+01
	.6754E+00	.6942E+0C	.572814E-02	.1CCCCCE+01	.CCCOCCE+CC	-.516236E+01
	.6754E+CO	.6577E+0C	.49728CE-C2	.1CCCCCE+01	.CCCOCCE+CC	-.530377E+01
12	.6736E+CO	.6231E+0C	.430124E-C2	.1CCCCCE+01	.CCCOCCE+CC	-.544685E+01
11	.67C3E+00	.5905E+0C	.37C779E-C2	.1CCCCCE+01	.CCCOCCE+CC	-.559732E+01
10	.6657E+00	.5598E+00	.318624E-C2	.1CCCCCE+C1	.CCCOCCE+CC	-.574891E+01
9	.66CCE+00	.5308E+0C	.273C18E-C2	.1CCCCCE+01	.CCCOCCE+CC	-.590339E+01
8	.6557E-01	.1279E+01	.999819E+CC	.1CC181E+C1	-.487C3E-C2	-.180457E-02
7	.13C1E+00	.1269E+01	.999955E+CC	.1CCCC4E+01	-.55C547E-C2	-.414260E-04
6	.1927E+00	.1252E+01	.999574E+CC	.1CCC43E+C1	-.217726E-C2	-.426282E-03
5	.2524E+00	.1230E+01	.999C48E+CC	.1CCC95E+C1	-.1648B7E-C2	-.952687E-03
4	.3085E+00	.12C3E+C1	.998245E+CC	.1CC176E+C1	-.366779E-C2	-.175675E-02
3						

SPHERE

$R/\lambda = 20$ $\quad T_e/T_i = 1$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -5$

	Z/R	ρ/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
	.36C4E+00	.1171E+01	.9962S3E+0C	.1CC372E+C1	-.7856S5E-C2	-.37136CE-02
	.4077E+00	.1136E+01	.991411E+0C	.1CCE66E+01	-.179346E-C1	-.862593E-02
	.45C2E+00	.1C97E+01	.977C68E+0C	.1C2347E+C1	-.469162E-C1	-.231989E-01
	.4878E+00	.1C57E+01	.933C88E+CC	.1C7171E+01	-.138716E+CC	-.692561E-01
	.52C6E+00	.1015E+01	.8048C7E+CC	.124253E+01	-.4378C1E+CC	-.217153E+00
	.5486E+00	.9726E+00	.4997195E+CC	.2472C4E-C1	.474985E+CC	-.6937C8E+00
	.5722E+00	.9259E+00	.3o7885E+0C	.2933S7E-C1	.338542E+CC	-.9995S4E+00
	.5917E+00	.8876E+0C	.242011E+CC	.583675E-C1	.183642E+CC	-.141877E+01
	.6C74E+00	.846CE+0C	.875523E-01	.34CC43E+C0	-.2524S1E+CC	-.243552E+01
	.6196E+00	.8C55E+CC	.729646E-02	.1CCCCCE+01	.CCOOCCE+CC	-.492037E+01
	.6287E+00	.7662E+0C	.644275E-C2	.1CCCCCE+C1	.CCOOCCE+CC	-.5C44aCE+01
	.6350E+00	.7284E+0C	.5662C3E-02	.1CCCCCE+01	.CCOOCCE+CC	-.517397E+01
	.639CE+00	.6922E+0C	.4954C9E-C2	.1CCCCCE+01	.CCOOCCE+CC	-.530754E+01
	.6408E+00	.6577E+0C	.4317C6E-C2	.1CCCCCE+01	.CCCOCCE+CC	-.544518E+01
	.64C8E+00	.6248E+0C	.374778E-C2	.1CCCC0E+01	.CCOOCCE+CC	-.558659E+01
	.6393E+00	.5936E+0C	.324224E-C2	.1CCCCCE+01	.CCOOCCE+CC	-.573149E+01
	.6364E+00	.5641E+0C	.279583E-C2	.1CCCC0E+01	.CCCOCCE+CC	-.587963E+01
	.6324E+00	.5362E+0C	.240368E-C2	.1CCCC0E+01	.CCCOCCE+CC	-.603075E+01
	.5935E-01	.1217E+C1	.988624E+0C	.1C1151E+C1	-.189554E-C1	-.114414E-01
	.1179E+00	.1208E+01	.993427E+CC	.1CC662E+01	-.146055E-C1	-.65942CE-02
	.1747E+00	.1194E+01	.993977E+CC	.1CC6C6E+01	-.136581E-C1	-.6C4158E-02
	.2292E+00	.1175E+01	.991551E+CC	.1CC852E+C1	-.146851E-C1	-.848485E-02
	.28C7E+00	.1151E+C1	.9868C3E+0C	.1C1337E+01	-.253326E-C1	-.132847E-01
	.3288E+00	.1123E+01	.975755E+CC	.1C2485E+C1	-.505271E-C1	-.245438E-01
	.3729E+00	.1C92E+C1	.9501C9E+0C	.1C5251E+01	-.1C4141E+CC	-.511789E-01
	.413CE+00	.1C58E+C1	.885865E+0C	.1128B4E+C1	-.243265E+CC	-.121186E+00
	.4489E+00	.1022E+01	.726376E+CC	.137670E+C1	-.649783E+CC	-.319688E+00
	.48C5E+00	.9851E+CC	.409208E+0C	.185762E-02	.4C7371E+CC	-.893522E+00
	.5081E+00	.9469E+0C	.25936CE+CC	.266231E-C1	.232734E+CC	-.134954E+01
	.5317E+00	.9C83E+0C	.137635E+CC	.179559E+C0	-.419259E-C1	-.198315E+01
	.5515E+00	.8697E+00	.677176E-01	.65C595E+00	-.583278E+CC	-.269241E+C1
	.568CE+00	.8316E+00	.697881E-C2	.1CCCC0E+C1	.CCCOCCE+CC	-.496488E+01
	.5812E+00	.7943E+0C	.621771E-02	.1CCCC0E+01	.CCOOCCE+CC	-.5C8035E+01
	.5915E+00	.7579E+0C	.551126E-C2	.1CCCCCE+C1	.CCOOCCE+CC	-.52C096E+01
	.5992E+00	.7226E+00	.486179E-02	.1CCCCCE+01	.CCCOCCE+CC	-.532635E+01
	.6046E+C0	.6886E+00	.426980E-02	.1CCCCCE+01	.CCCOCCE+CC	-.545619E+01
	.6080E+00	.656CE+0C	.373439E-C2	.1CCCC0E+01	.CCCOCCE+CC	-.559C17E+01
	.6056E+00	.6248E+00	.325357E-C2	.1CCCCCE+01	.CCCOCCE+CC	-.5728CCE+01
	.6C96E+00	.5951E+CC	.282453E-C2	.1CCCC0E+01	.COOOCCE+CC	-.586941E+01
	.6082E+00	.5668E+00	.2443S3E-C2	.1CCCC0E+C1	.CCOOCCE+CC	-.6C1415E+01
	.6057E+0C	.5399E+0C	.21C808E-C2	.1CCCCCE+01	.CCCOCCE+CC	-.616198E+01
	.5357E-01	.116CE+01	.947711E+CC	.1C5517E+C1	-.1101C2E+CC	-.537057E-01
	.1072E+00	.1153E+01	.956558E+CC	.1C4541E+01	-.861748E-C1	-.444137E-01
	.1592E+00	.1141E+01	.955571E+00	.1C4649E+C1	-.865915E-C1	-.454463E-01
	.2091E+00	.1124E+C1	.947695E+CC	.1C552CE+C1	-.103157E+CC	-.537277E-01
	.2565E+00	.11C3E+01	.925926E+0C	.1C8CC0E+01	-.152864E+CC	-.769610E-01
	.3011E+00	.1C79E+01	.87C156E+CC	.114922E+01	-.27912CE+CC	-.139081E+00
	.3423E+CC	.1051E+01	.769C88E+CC	.13CC24E+C1	-.53C285E+CC	-.262550E+00
	.38CCE+C0	.1C21E+01	.577725E+0C	.173C93E+01	-.115247E+C1	-.548658E+00
	.4142E+00	.9894E+0C	.265445E+0C	.936454E-C4	.265374E+CC	-.132635E+01
	.4446E+00	.956CE+0C	.12074CE+CC	.251271E-C1	.956096E-C1	-.211412E+01
12	.4715E+00	.9216E+0C	.594495E-C1	.55C143E+00	-.490657E+CC	-.282262E+01
11	.4948E+00	.8666E+00	.726688E-C2	.1CCCCCE+01	.COCOCCE+CC	-.492443E+01
10	.5149E+00	.8515E+0C	.6572CCE-C2	.1CCCCCE+01	.CCCOCCE+CC	-.5024S4E+01
9	.5317E+00	.8166E+0C	.5909C1E-C2	.1CCCC0E+01	.CCOOCCE+CC	-.513128E+01
8	.5457E+00	.7821E+0C	.528359E-C2	.1CCCC0E+01	.COOOCCE+CC	-.5243C9E+01
7	.5569E+00	.7483E+0C	.470073E-C2	.1CCCCCE+01	.CCCOCCE+CC	-.5360C4E+01
6	.5657E+00	.7155E+CC	.416188E-C2	.1CCCCCE+01	.CCCOCCE+CC	-.548179E+01
5	.5723E+00	.6836E+00	.366829E-C2	.1CCCCCE+01	.CCOOCCE+CC	-.56C8C3E+01
4	.577CE+00	.6529E+0C	.321S7CE-02	.1CCCC0E+01	.COOOCCE+CC	-.573847E+01
3						

SPHERE

$R/\lambda = 20$ $T_e/T_i = 1$ $V/C_i = 8$ $e\phi_s/KT_e = -5$

Z/R	ρ/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.5759E+00	.6234E+00	.281493E-02	.1000000E+01	.0000000E+00	-.587282E+01
.5812E+00	.5951E+00	.245207E-02	.1000000E+01	.0000000E+00	-.601082E+01
.5812E+00	.5680E+00	.212872E-02	.1000000E+01	.0000000E+00	-.615224E+01
.5801E+00	.5422E+00	.184215E-02	.1000000E+01	.0000000E+00	-.629682E+01
.4929E-01	.1109E+01	.775446E+00	.1285586E+01	-.5208855E+00	-.254318E+00
.9759E-01	.1102E+01	.786263E+00	.1271844E+01	-.4869246E+00	-.240464E+00
.1456E+00	.1092E+01	.780031E+00	.1282000E+01	-.4972346E+00	-.248422E+00
.1915E+00	.1077E+01	.759397E+00	.1316833E+01	-.5564236E+00	-.275231E+00
.2353E+00	.1059E+01	.692733E+00	.1443566E+01	-.7526816E+00	-.367111E+00
.2766E+00	.1037E+01	.514526E+00	.1943566E+01	-.1429786E+01	-.664522E+00
.3152E+00	.1013E+01	.315657E+00	.3168000E+01	-.2851626E+01	-.115310E+01
.3507E+00	.9864E+00	.115085E+00	.1126033E-03	.1149756E+00	-.216209E+01
.3831E+00	.9579E+00	.483774E-01	.9145456E-01	-.4311866E-01	-.302872E+01
.4124E+00	.9278E+00	.726688E-02	.1000000E+01	.0000000E+00	-.492443E+01
.4384E+00	.8968E+00	.667763E-02	.1000000E+01	.0000000E+00	-.500899E+01
.4614E+00	.8651E+00	.609675E-02	.1000000E+01	.0000000E+00	-.510000E+01
.4813E+00	.8330E+00	.553251E-02	.1000000E+01	.0000000E+00	-.519711E+01
.4984E+00	.8010E+00	.499159E-02	.1000000E+01	.0000000E+00	-.530000E+01
.5128E+00	.7692E+00	.447913E-02	.1000000E+01	.0000000E+00	-.540833E+01
.5248E+00	.7379E+00	.399874E-02	.1000000E+01	.0000000E+00	-.552177E+01
.5344E+00	.7073E+00	.355274E-02	.1000000E+01	.0000000E+00	-.564004E+01
.5420E+00	.6775E+00	.314226E-02	.1000000E+01	.0000000E+00	-.576281E+01
.5477E+00	.6486E+00	.276747E-02	.1000000E+01	.0000000E+00	-.588982E+01
.5517E+00	.6207E+00	.242773E-02	.1000000E+01	.0000000E+00	-.602086E+01
.5542E+00	.5938E+00	.212181E-02	.1000000E+01	.0000000E+00	-.615549E+01
.5554E+00	.5680E+00	.184601E-02	.1000000E+01	.0000000E+00	-.629265E+01
.5554E+00	.5433E+00	.160431E-02	.1000000E+01	.0000000E+00	-.643506E+01

SPHERE

$R/\lambda = 20$ $T_e/T_i = 1$ $V/C_i = 4$ $e\phi_s/KT_e = -1$

	Z/R	ρ/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
	.2000E+02	.1000E+02	.998425E+00	.998722E+00	.213370E-03	-.107567E-02
	.1176E+02	.2941E+01	.965445E+00	.968264E+00	-.303669E-02	-.351657E-01
	.8108E+01	.1351E+01	.896047E+00	.907611E+00	-.128169E-01	-.109762E+00
	.6154E+01	.7692E+00	.720291E+00	.742302E+00	-.245266E-01	-.328099E+00
	.4950E+01	.4950E+00	.694015E+00	.715400E+00	-.244453E-01	-.365262E+00
	.4138E+01	.3448E+00	.620434E+00	.644817E+00	-.279812E-01	-.477336E+00
	.3553E+01	.2538E+00	.502595E+00	.524082E+00	-.247417E-01	-.687970E+00
	.3113E+01	.1946E+00	.398549E+00	.412747E+00	-.165001E-01	-.919926E+00
	.2769E+01	.1538E+00	.316253E+00	.314683E+00	.535831E-03	-.115121E+01
	.2494E+01	.1247E+00	.261794E+00	.240514E+00	.212077E-01	-.134020E+01
	.2268E+01	.1031E+00	.228578E+00	.181820E+00	.471782E-01	-.147588E+01
	.2090E+01	.8666E-01	.211459E+00	.134171E+00	.772476E-01	-.155372E+01
	.1920E+01	.7386E-01	.203859E+00	.959967E-01	.113351E+00	-.156595E+01
12	.1783E+01	.6369E-01	.219774E+00	.660647E-01	.153977E+00	-.151516E+01
11	.1665E+01	.5549E-01	.242038E+00	.434632E-01	.198693E+00	-.141866E+01
10	.1561E+01	.4878E-01	.272850E+00	.273359E-01	.245536E+00	-.129891E+01
9	.1469E+01	.4322E-01	.309458E+00	.167229E-01	.292748E+00	-.117293E+01
8	.1388E+01	.3855E-01	.349710E+00	.101644E-01	.339550E+00	-.105065E+01
7	.1315E+01	.3460E-01	.391824E+00	.626949E-02	.385556E+00	-.936941E+00
6	.1249E+01	.3123E-01	.434248E+00	.396821E-02	.430280E+00	-.834140E+00
5	.1190E+01	.2833E-01	.474961E+00	.259692E-02	.472364E+00	-.744523E+00
4	.1136E+01	.2581E-01	.509212E+00	.178334E-02	.507428E+00	-.674892E+00
3						

SPHERE

$R/\lambda = 20$ $\quad T_e/T_i = 1$ $\quad V/C_i = 4$ $\quad e\phi_s/KT_e = -1$

	Z/R	ρ/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
	.1036E+01	.2362E-01	.523019E+00	.134396E-02	.521671E+00	-.648144E+00
	.7692E+01	.1154E+02	.1000001E+01	.1000000E+01	-.506639E-06	-.226763E-06
	.8000E+01	.6000E+01	.9999999E+00	.1000000E+01	-.312924E-05	-.129351E-05
	.6667E+01	.3333E+01	.9999993E+00	.1000001E+01	-.266135E-04	-.101237E-04
	.5479E+01	.2055E+01	.9999988E+00	.1000001E+01	-.354350E-04	-.124951E-04
	.4557E+01	.1370E+01	.9995664E+00	.1000034E+01	-.690594E-03	-.335562E-03
	.3922E+01	.9804E+00	.7769644E+00	.7841826E+00	-.950815E-02	-.252336E+00
	.3415E+01	.7317E+00	.7269920E+00	.7316626E+00	-.704799E-02	-.318839E+00
	.3019E+01	.5660E+00	.5740878E+00	.5689745E+00	.271120E-02	-.554974E+00
	.2703E+01	.4505E+00	.4278206E+00	.3938156E+00	.322615E-01	-.849054E+00
	.2445E+01	.3667E+00	.3339266E+00	.2436416E+00	.896603E-01	-.109683E+01
	.2231E+01	.3043E+00	.3008556E+00	.1512446E+00	.149522E+00	-.120113E+01
	.2051E+01	.2564E+00	.2983136E+00	.8713416E-01	.211235E+00	-.120961E+01
	.1898E+01	.2190E+00	.3170456E+00	.4645276E-01	.270639E+00	-.114871E+01
	.1765E+01	.1892E+00	.3504416E+00	.2395616E-01	.326505E+00	-.104856E+01
	.1650E+01	.1650E+00	.3922296E+00	.1241506E-01	.379820E+00	-.935910E+00
	.1549E+01	.1452E+00	.4378256E+00	.6605176E-02	.431221E+00	-.825937E+00
	.1459E+01	.1288E+00	.4843406E+00	.3630806E-02	.480710E+00	-.724968E+00
	.1379E+01	.1149E+00	.5300366E+00	.2063836E-02	.527972E+00	-.634910E+00
	.1309E+01	.1032E+00	.5738446E+00	.1205716E-02	.572635E+00	-.555398E+00
	.1243E+01	.9324E-01	.6150226E+00	.7278096E-03	.614294E+00	-.485098E+00
	.1184E+01	.8460E-01	.6526456E+00	.4501236E-03	.652195E+00	-.426722E+00
	.1131E+01	.7712E-01	.6837356E+00	.2863946E-03	.682498E+00	-.380112E+00
	.1082E+01	.7059E-01	.6955176E+00	.1902776E-03	.695326E+00	-.363100E+00
	.3448E+01	.8621E+01	.1000000E+01	.1000000E+01	-.245869E-06	-.961638E-07
	.4879E+01	.6099E+01	.1000000E+01	.1000000E+01	-.186265E-06	-.774975E-07
	.4913E+01	.4099E+01	.1000000E+01	.1000000E+01	-.603497E-06	-.214264E-06
	.4494E+01	.2800E+01	.9999999E+00	.1000000E+01	-.211596E-05	-.711315E-06
	.4000E+01	.2000E+01	.9999995E+00	.1000000E+01	-.205636E-05	-.637321E-06
	.3550E+01	.1479E+01	.9999988E+00	.1000001E+01	-.253022E-04	-.122932E-04
	.3167E+01	.1131E+01	.9985300E+00	.1001426E+01	-.286462E-02	-.142120E-02
	.2847E+01	.8897E+00	.7637699E+00	.7577146E+00	.101553E-01	-.262964E+00
	.2579E+01	.7163E+00	.6934376E+00	.6796956E+00	.127968E-01	-.366023E+00
	.2353E+01	.5862E+00	.5204926E+00	.4652096E+00	.540366E-01	-.652982E+00
	.2161E+01	.4912E+00	.4050116E+00	.2859916E+00	.118153E+00	-.903841E+00
	.1997E+01	.4160E+00	.3590156E+00	.1678246E+00	.189793E+00	-.102718E+01
	.1854E+01	.3566E+00	.3534106E+00	.9516566E-01	.258098E+00	-.104013E+01
	.1731E+01	.3090E+00	.3723666E+00	.5016596E-01	.322175E+00	-.997820E+00
	.1622E+01	.2703E+00	.4057776E+00	.2570176E-01	.380062E+00	-.901951E+00
	.1529E+01	.2393E+00	.4467216E+00	.1321826E-01	.433499E+00	-.805821E+00
	.1439E+01	.2117E+00	.4906606E+00	.6957666E-02	.483701E+00	-.712004E+00
	.1363E+01	.1893E+00	.5343306E+00	.3753486E-02	.531082E+00	-.625795E+00
	.1293E+01	.1702E+00	.5776576E+00	.2079326E-02	.575579E+00	-.549775E+00
	.1231E+01	.1538E+00	.6181226E+00	.1184126E-02	.616938E+00	-.481070E+00
	.1174E+01	.1397E+00	.6551726E+00	.6941496E-03	.654478E+00	-.422857E+00
	.1122E+01	.1275E+00	.6857676E+00	.4206076E-03	.685347E+00	-.377217E+00
	.1074E+01	.1168E+00	.6967816E+00	.2681706E-03	.696513E+00	-.361284E+00
	.1837E+01	.6604E+01	.1000000E+01	.1000000E+01	-.894070E-07	-.345083E-07
	.3077E+01	.5385E+01	.1000000E+01	.1000000E+01	-.670552E-07	-.247208E-07
	.3529E+01	.4118E+01	.1000000E+01	.1000000E+01	-.298023E-07	-.170527E-07
	.3540E+01	.3097E+01	.1000000E+01	.1000000E+01	-.894070E-07	-.368415E-07
12	.3356E+01	.2349E+01	.1000000E+01	.1000000E+01	-.149012E-06	-.594010E-07
11	.3109E+01	.1813E+01	.1000000E+01	.1000000E+01	-.245960E-06	-.951732E-07
10	.2857E+01	.1429E+01	.9999644E+00	.1000042E+01	-.423124E-04	-.163246E-04
9	.2624E+01	.1142E+01	.9975630E+00	.1002466E+01	-.490206BE-02	-.249390E-02
8	.2418E+01	.9383E+00	.7874056E+00	.7665026E+00	.210967E-01	-.238429E+00
7	.2227E+01	.7795E+00	.7121696E+00	.6562136E+00	.256310E-01	-.339440E+00
6	.2064E+01	.6567E+00	.6518366E+00	.4659026E+00	.855437E-01	-.504413E+00
5	.1923E+01	.5600E+00	.6443966E+00	.2781596E+00	.165992E+00	-.810815E+00
4	.1793E+01	.4820E+00	.6019436E+00	.1545996E+00	.246375E+00	-.911445E+00
3						

SPHERE

$R/\lambda = 20$ $\quad T_e/T_i = 1$ $\quad V/C_i = 4$ $\quad e\phi_s/KT_e = -1$

Z/R	ρ/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$	
.1631E+01	.4202E+00	.4019[illegible]E+00	.3485[illegible]E-01	.3170[illegible]E+00	-.[illegible]11337E+00	
.1581E+01	.3699E+00	.4242[illegible]E+00	.4345[illegible]E-01	.3807[illegible]E+00	-.3574[illegible]E+00	
.1491E+01	.3262E+00	.4538[illegible]E+00	.2181[illegible]E-01	.4370[illegible]E+00	-.7789[illegible]E+00	
.1411E+01	.2905E+00	.4993[illegible]E+00	.1109[illegible]E-01	.4982[illegible]E+00	-.6945[illegible]E+00	
.1333E+01	.2602E+00	.5414[illegible]E+00	.5791[illegible]E-02	.5356[illegible]E+00	-.6135[illegible]E+00	
.1276E+01	.2344E+00	.5628[illegible]E+00	.3102[illegible]E-02	.5597[illegible]E+00	-.5397[illegible]E+00	
.1213E+01	.2122E+00	.6223[illegible]E+00	.1706[illegible]E-02	.6206[illegible]E+00	-.4742[illegible]E+00	
.1159E+01	.1931E+00	.6585[illegible]E+00	.9667[illegible]E-03	.6576[illegible]E+00	-.4176[illegible]E+00	
.1108E+01	.1762E+00	.6836[illegible]E+00	.5664[illegible]E-03	.6678[illegible]E+00	-.3734[illegible]E+00	
.1062E+01	.1617E+00	.6933[illegible]E+00	.3490[illegible]E-03	.6979[illegible]E+00	-.3590[illegible]E+00	
.1176E+01	.5294E+01	.1000[illegible]E+01	.1000[illegible]E+01	-.7450[illegible]E-08	-.1310[illegible]E-07	
.2062E+01	.4639E+01	.1000[illegible]E+01	.1000[illegible]E+01	-.7450[illegible]E-08	-.1098[illegible]E-07	
.2564E+01	.3846E+01	.1000[illegible]E+01	.1000[illegible]E+01	-.7450[illegible]E-08	-.8400[illegible]E-08	
.2759E+01	.3103E+01	.1000[illegible]E+01	.1000[illegible]E+01	-.7450[illegible]E-08	-.7137[illegible]E-08	
.2762E+01	.2486E+01	.1000[illegible]E+01	.1000[illegible]E+01	-.7450[illegible]E-08	-.7369[illegible]E-08	
.2667E+01	.2000E+01	.1000[illegible]E+01	.1000[illegible]E+01	-.2830[illegible]E-07	-.9399[illegible]E-08	
.2527E+01	.1625E+01	.9999[illegible]E+00	.1000[illegible]E+01	-.9834[illegible]E-06	-.5076[illegible]E-06	
.2374E+01	.1335E+01	.9999[illegible]E+00	.1000[illegible]E+01	-.1181[illegible]E-03	-.5899[illegible]E-04	
.2232E+01	.1111E+01	.9952[illegible]E+00	.1004[illegible]E+01	-.9456[illegible]E-02	-.4725[illegible]E-02	
.2079E+01	.9356E+00	.7681[illegible]E+00	.7279[illegible]E+00	.4017[illegible]E-01	-.2637[illegible]E+00	
.1947E+01	.7965E+00	.6912[illegible]E+00	.6433[illegible]E+00	.4777[illegible]E-01	-.3692[illegible]E+00	
.1826E+01	.6849E+00	.5466[illegible]E+00	.4109[illegible]E+00	.1355[illegible]E+00	-.6040[illegible]E+00	
.1717E+01	.5945E+00	.4628[illegible]E+00	.2321[illegible]E+00	.2306[illegible]E+00	-.7703[illegible]E+00	
.1618E+01	.5202E+00	.4385[illegible]E+00	.1268[illegible]E+00	.3116[illegible]E+00	-.9242[illegible]E+00	
.1529E+01	.4587E+00	.4479[illegible]E+00	.6762[illegible]E-01	.3803[illegible]E+00	-.8029[illegible]E+00	
.1448E+01	.4072E+00	.4748[illegible]E+00	.3411[illegible]E-01	.4407[illegible]E+00	-.7447[illegible]E+00	
.1374E+01	.3638E+00	.5106[illegible]E+00	.1706[illegible]E-01	.4936[illegible]E+00	-.6720[illegible]E+00	
.1307E+01	.3269E+00	.5500[illegible]E+00	.8690[illegible]E-02	.5413[illegible]E+00	-.5978[illegible]E+00	
.1246E+01	.2951E+00	.5899[illegible]E+00	.4537[illegible]E-02	.5851[illegible]E+00	-.5282[illegible]E+00	
.1190E+01	.2677E+00	.6277[illegible]E+00	.2431[illegible]E-02	.6253[illegible]E+00	-.4655[illegible]E+00	
.1138E+01	.2439E+00	.6628[illegible]E+00	.1345[illegible]E-02	.6614[illegible]E+00	-.4112[illegible]E+00	
.1091E+01	.2231E+00	.6912[illegible]E+00	.7647[illegible]E-03	.6905[illegible]E+00	-.3692[illegible]E+00	
.1047E+01	.2048E+00	.6988[illegible]E+00	.4612[illegible]E-03	.6983[illegible]E+00	-.3583[illegible]E+00	
.8000E+00	.4400E+01	.1000[illegible]E+01	.1000[illegible]E+01	-.7450[illegible]E-08	-.5514[illegible]E-08	
.1460E+01	.4015E+01	.1000[illegible]E+01	.1000[illegible]E+01	-.7450[illegible]E-08	-.3008[illegible]E-08	
.1911E+01	.3503E+01	.1000[illegible]E+01	.1000[illegible]E+01	-.7450[illegible]E-08	-.2745[illegible]E-08	
.2162E+01	.2973E+01	.1000[illegible]E+01	.1000[illegible]E+01	-.7450[illegible]E-08	-.1923[illegible]E-08	
.2262E+01	.2483E+01	.1000[illegible]E+01	.1000[illegible]E+01	.7450[illegible]E-08	-.1454[illegible]E-08	
.2264E+01	.2075E+01	.1000[illegible]E+01	.1000[illegible]E+01	-.7450[illegible]E-08	.1249[illegible]E-08	
.2208E+01	.1735E+01	.1000[illegible]E+01	.1000[illegible]E+01	-.6705[illegible]E-07	-.3656[illegible]E-07	
.2122E+01	.1450E+01	.9999[illegible]E+00	.1000[illegible]E+01	-.5967[illegible]E-05	-.2994[illegible]E-05	
.2022E+01	.1236E+01	.9993[illegible]E+00	.1000[illegible]E+01	-.3845[illegible]E-03	-.1922[illegible]E-03	
.1919E+01	.1056E+01	.9910[illegible]E+00	.1009[illegible]E+01	-.1796[illegible]E-01	-.8982[illegible]E-02	
.1818E+01	.9091E+00	.7332[illegible]E+00	.6614[illegible]E+00	.7179[illegible]E-01	-.3102[illegible]E+00	
.1722E+01	.7891E+00	.6399[illegible]E+00	.5410[illegible]E+00	.9884[illegible]E-01	-.4463[illegible]E+00	
.1631E+01	.6901E+00	.5308[illegible]E+00	.3240[illegible]E+00	.2068[illegible]E+00	-.6332[illegible]E+00	
.1547E+01	.6077E+00	.4792[illegible]E+00	.1723[illegible]E+00	.3063[illegible]E+00	-.7355[illegible]E+00	
.1469E+01	.5387E+00	.4751[illegible]E+00	.9527[illegible]E-01	.3798[illegible]E+00	-.7441[illegible]E+00	
.1397E+01	.4803E+00	.4934[illegible]E+00	.4979[illegible]E-01	.4440[illegible]E+00	-.7054[illegible]E+00	
.1331E+01	.4307E+00	.5243[illegible]E+00	.2485[illegible]E-01	.4995[illegible]E+00	-.6455[illegible]E+00	
.1270E+01	.3881E+00	.5603[illegible]E+00	.1245[illegible]E-01	.5478[illegible]E+00	-.5702[illegible]E+00	
.1214E+01	.3514E+00	.5976[illegible]E+00	.6385[illegible]E-02	.5912[illegible]E+00	-.5147[illegible]E+00	
.1162E+01	.3196E+00	.6335[illegible]E+00	.3361[illegible]E-02	.6302[illegible]E+00	-.4563[illegible]E+00	
.1114E+01	.2912E+00	.6644[illegible]E+00	.1829[illegible]E-02	.6626[illegible]E+00	-.4038[illegible]E+00	
.1070E+01	.2674E+00	.6775[illegible]E+00	.1361[illegible]E-02	.6766[illegible]E+00	-.3800[illegible]E+00	
.1028E+01	.2459E+00	.6234[illegible]E+00	.7506[illegible]E-03	.6226[illegible]E+00	-.4725[illegible]E+00	
.5730E+00	.3757E+01	.1000[illegible]E+01	.1000[illegible]E+01	-.7450[illegible]E-08	-.1907[illegible]E-08	
.1381E+01	.3514E+01	.1000[illegible]E+01	.1000[illegible]E+01	.7450[illegible]E-08	-.1729[illegible]E-08	
.1463E+01	.3171E+01	.1000[illegible]E+01	.1000[illegible]E+01	-.7450[illegible]E-08	.1458[illegible]E-08	
.1717E+01	.2797E+01	.1000[illegible]E+01	.1000[illegible]E+01	.7450[illegible]E-08	-.1590[illegible]E-08	

SPHERE

$R/\lambda = 20$ $\quad T_e/T_i = 1$ $\quad V/C_i = 4$ $\quad e\phi_s/KT_e = -1$

	Z/R	ρ/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
	.1859E+01	.2416E+01	.1000030E+01	.1000000E+01	.7450586-08	-.156345E-08
	.1917E+01	.2077E+01	.1000060E+01	.1000000E+01	-.7450586-08	.138142E-08
	.1915E+01	.1781E+01	.1000000E+01	.1000000E+01	-.1256606-06	-.634417E-07
	.1882E+01	.1529E+01	.9999966E+00	.1000000E+01	-.8493666-05	-.425213E-05
	.1826E+01	.1319E+01	.9997806E+00	.1000226E+01	-.4408516-03	-.220415E-03
	.1757E+01	.1142E+01	.9913176E+00	.1009756E+01	-.1744256-01	-.872092E-02
	.1685E+01	.9954E+00	.7654576E+00	.6910236E+00	.7443106E-01	-.267282E+00
	.1611E+01	.8726E+00	.6953986E+00	.6110706E+00	.8432406E-01	-.363272E+00
	.1538E+01	.7662E+00	.5835206E+00	.3897906E+00	.1937386E+00	-.538659E+00
	.1469E+01	.6921E+00	.5232066E+00	.2317806E+00	.2915156E+00	-.647608E+00
	.1403E+01	.6086E+00	.5041296E+00	.1233376E+00	.3807926E+00	-.684923E+00
	.1341E+01	.5443E+00	.5146376E+00	.6676026E-01	.4479276E+00	-.664196E+00
	.1283E+01	.4906E+00	.5397466E+00	.3405146E-01	.5057446E+00	-.616565E+00
	.1229E+01	.4437E+00	.5720736E+00	.1697866E-01	.5550946E+00	-.558489E+00
	.1178E+01	.4036E+00	.6068566E+00	.8585706E-02	.5982706E+00	-.499464E+00
	.1131E+01	.3674E+00	.6408746E+00	.4450136E-02	.6364246E+00	-.444923E+00
	.1086E+01	.3363E+00	.6694146E+00	.2376986E-02	.6675376E+00	-.400605E+00
	.1045E+01	.3088E+00	.6896476E+00	.1334826E-02	.6793126E+00	-.384712E+00
	.1007E+01	.2845E+00	.6922366E+00	.8545916E-03	.6913816E+00	-.474436E+00
	.4367E+00	.3275E+01	.1000001E+01	.1000000E+01	-.7450566-08	.135785E-08
	.8299E+00	.3117E+01	.1000000E+01	.1000000E+01	-.7450586-08	.309834E-09
	.1149E+01	.2874E+01	.1000000E+01	.1000000E+01	-.7450586-08	.154881E-08
	.1364E+01	.2595E+01	.1000000E+01	.1000000E+01	.7450586-08	-.466397E-09
	.1538E+01	.2308E+01	.1000000E+01	.1000000E+01	.7450586-08	-.731830E-09
	.1626E+01	.2038E+01	.1000000E+01	.1000000E+01	-.7450586-08	.121363E-08
	.1663E+01	.1781E+01	.1000000E+01	.1000000E+01	-.2980236-07	-.124607E-07
	.1663E+01	.1559E+01	.9999996E+00	.1000000E+01	-.1139946-05	-.586077E-06
	.1639E+01	.1366E+01	.9999776E+00	.1000026E+01	-.4667796-04	-.233535E-04
	.1600E+01	.1200E+01	.9992546E+00	.1000746E+01	-.1472686-02	-.736362E-03
	.1551E+01	.1058E+01	.9813906E+00	.1018446E+01	-.3655416-01	-.182760E-01
	.1498E+01	.9363E+00	.6980686E+00	.5488036E+00	.1492646E+00	-.359439E+00
	.1443E+01	.8324E+00	.6362586E+00	.4741626E+00	.1621066E+00	-.452135E+00
	.1388E+01	.7433E+00	.5629276E+00	.2780066E+00	.2849216E+00	-.574606E+00
	.1333E+01	.6607E+00	.5328996E+00	.1512376E+00	.3816626E+00	-.629423E+00
	.1281E+01	.6005E+00	.5360476E+00	.8338256E-01	.4527156E+00	-.623440E+00
	.1231E+01	.5431E+00	.5561386E+00	.4362836E-01	.5123596E+00	-.586656E+00
	.1183E+01	.4931E+00	.5847566E+00	.2196206E-01	.5627966E+00	-.536557E+00
	.1138E+01	.4494E+00	.6168056E+00	.1101156E-01	.6057936E+00	-.483203E+00
	.1096E+01	.4110E+00	.6488256E+00	.5649316E-02	.6423776E+00	-.433055E+00
	.1056E+01	.3771E+00	.6748256E+00	.2980576E-02	.6718366E+00	-.393302E+00
	.1018E+01	.3471E+00	.6980646E+00	.1671406E-02	.6789776E+00	-.384716E+00
	.9825E+00	.3204E+00	.6143246E+00	.1074566E-02	.6132506E+00	-.487232E+00
	.3413E+00	.2901E+01	.1000030E+01	.1000000E+01	-.7450586-08	.345616E-09
	.6557E+00	.2787E+01	.1000000E+01	.1000000E+01	-.7450586-08	.657698E-09
	.9231E+00	.2615E+01	.1000000E+01	.1000000E+01	-.7450586-08	.326106E-09
	.1133E+01	.2403E+01	.1000000E+01	.1000000E+01	.7450586-08	-.162956E-08
	.1285E+01	.2185E+01	.1000000E+01	.1000000E+01	.7450556-08	-.117808E-08
	.1396E+01	.1963E+01	.1000000E+01	.1000000E+01	-.7450586-08	.105591E-08
	.1443E+01	.1753E+01	.1000000E+01	.1000000E+01	-.2980236-07	-.301926E-07
	.1468E+01	.1560E+01	.9992996E+00	.1000006E+01	-.1855196-05	-.935333E-06
	.1468E+01	.1387E+01	.9919706E+00	.1000086E+01	-.6064776-04	-.303384E-04
12	.1451E+01	.1234E+01	.9911226E+00	.1000816E+01	-.1617046-02	-.808545E-03
11	.1423E+01	.1100E+01	.9824566E+00	.1017886E+01	-.3544196-01	-.177200E-01
10	.1387E+01	.9827E+00	.7242636E+00	.5688476E+00	.1554166E+00	-.322601E+00
9	.1347E+01	.8808E+00	.6577306E+00	.4834606E+00	.1742706E+00	-.413960E+00
8	.1305E+01	.7922E+00	.5642656E+00	.3140466E+00	.2793196E+00	-.520429E+00
7	.1262E+01	.7143E+00	.5609246E+00	.1807866E+00	.3800376E+00	-.578349E+00
6	.1219E+01	.6474E+00	.5572326E+00	.9817436E-01	.4590576E+00	-.594774E+00
5	.1176E+01	.5882E+00	.5727416E+00	.5301646E-01	.5197626E+00	-.557252E+00
4	.1136E+01	.5363E+00	.5977666E+00	.2691836E-01	.5708476E+00	-.514555E+00
3						

SPHERE

$R/\lambda = 20$ $T_e/T_i = 1$ $V/C_i = 4$ $e\phi_s/KT_e = -1$

Z/R	ρ/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.1096E+01	.490 5E+00	.626577E+00	.134763E-01	.613098E+00	-.667484E+00
.1059E+01	.4500E+00	.653333E+00	.691439E-02	.646468E+00	-.425593E+00
.1023E+01	.4140E+00	.664536E+00	.376531E-02	.660821E+00	-.408590E+00
.9888E+00	.3820E+00	.612037E+00	.247740E-02	.609609E+00	-.490881E+00
.9563E+00	.3534E+00	.375025E+00	.100000E+01	.000000E+00	-.980916E+00
.2740E+00	.2603E+01	.100000E+01	.100000E+01	.745058E-08	-.130406E-08
.9305E+00	.2520E+01	.100000E+01	.100000E+01	-.745058E-08	.190285E-08
.7557E+00	.2393E+01	.100000E+01	.100000E+01	-.745058E-08	.184300E-08
.9412E+00	.2235E+01	.100000E+01	.100000E+01	-.745058E-08	.848069E-09
.1085E+01	.2061E+01	.100000E+01	.100000E+01	-.745058E-08	.986054E-09
.1188E+01	.1881E+01	.100000E+01	.100000E+01	-.745058E-08	-.589357E-10
.1257E+01	.1706E+01	.100000E+01	.100000E+01	-.298023E-07	-.924434E-08
.1297E+01	.1540E+01	.100000E+01	.100000E+01	-.424683E-06	-.228742E-06
.1314E+01	.1387E+01	.999994E+00	.100001E+01	-.111535E-04	-.557344E-05
.1314E+01	.1248E+01	.999820E+00	.100012E+01	-.235170E-03	-.117585E-03
.1302E+01	.1124E+01	.997044E+00	.100206E+01	-.411562E-02	-.205783E-02
.1231E+01	.1014E+01	.970616E+00	.103027E+01	-.5965705E-01	-.298241E-01
.1254E+01	.9161E+00	.700158E+00	.474662E+00	.225496E+00	-.356449E+00
.1223E+01	.8297E+00	.625327E+00	.343840E+00	.281487E+00	-.469481E+00
.1190E+01	.7534E+00	.586620E+00	.204103E+00	.382517E+00	-.533378E+00
.1155E+01	.6859E+00	.577246E+00	.109933E+00	.467313E+00	-.549487E+00
.1121E+01	.6262E+00	.583956E+00	.506624E-01	.529274E+00	-.529438E+00
.1086E+01	.5733E+00	.610769E+00	.313052E-01	.579484E+00	-.493004E+00
.1053E+01	.5263E+00	.636372E+00	.156922E-01	.621180E+00	-.451186E+00
.1020E+01	.4844E+00	.650876E+00	.799764E-02	.642878E+00	-.414190E+00
.9882E+00	.4471E+00	.658022E+00	.427750E-02	.653745E+00	-.403434E+00
.9578E+00	.4136E+00	.609098E+00	.260085E-02	.606407E+00	-.495924E+00
.9285E+00	.3835E+00	.369550E+00	.100000E+01	.000000E+00	-.995389E+00
.2247E+00	.2360E+01	.100000E+01	.100000E+01	-.745058E-08	.145597E-08
.4376E+00	.2298E+01	.100000E+01	.100000E+01	-.745058E-08	.152801E-08
.6289E+00	.2201E+01	.100000E+01	.100000E+01	-.745058E-08	.123312E-08
.7921E+00	.2079E+01	.100000E+01	.100000E+01	.745058E-08	-.198719E-08
.9242E+00	.1941E+01	.100000E+01	.100000E+01	.745058E-08	-.216543E-08
.1026E+01	.1795E+01	.100000E+01	.100000E+01	-.745058E-08	-.251856E-09
.1099E+01	.1648E+01	.100000E+01	.100000E+01	-.298023E-07	-.168883E-07
.1148E+01	.1506E+01	.100000E+01	.100000E+01	-.727706E-06	-.359557E-06
.1176E+01	.1373E+01	.999942E+00	.100001E+01	-.150502E-04	-.753310E-05
.1189E+01	.1249E+01	.999654E+00	.100014E+01	-.271335E-03	-.135664E-03
.1189E+01	.1135E+01	.997898E+00	.100211E+01	-.422414E-02	-.211206E-02
.1180E+01	.1032E+01	.971552E+00	.102696E+01	-.571116E-01	-.285519E-01
.1164E+01	.9400E+00	.713446E+00	.460004E+00	.247443E+00	-.337648E+00
.1143E+01	.8571E+00	.652482E+00	.379160E+00	.273321E+00	-.426972E+00
.1119E+01	.7830E+00	.610239E+00	.224545E+00	.385694E+00	-.493904E+00
.1092E+01	.7167E+00	.596140E+00	.120094E+00	.476046E+00	-.517279E+00
.1064E+01	.6575E+00	.604256E+00	.664272E-01	.537839E+00	-.503741E+00
.1036E+01	.6045E+00	.623214E+00	.347149E-01	.588499E+00	-.472865E+00
.1008E+01	.5570E+00	.646382E+00	.174675E-01	.628895E+00	-.436395E+00
.9799E+00	.5145E+00	.663264E+00	.892619E-02	.657337E+00	-.406070E+00
.9524E+00	.4762E+00	.675530E+00	.482945E-02	.680700E+00	-.407172E+00
.9255E+00	.4417E+00	.594317E+00	.301464E-02	.591297E+00	-.520351E+00
.8995E+00	.4106E+00	.368773E+00	.100000E+01	.000000E+00	-.101134E+01
.1876E+00	.2159E+01	.100000E+01	.100000E+01	-.745058E-08	.165566E-08
.3670E+00	.2110E+01	.100000E+01	.100000E+01	.745058E-08	-.137279E-08
.5310E+00	.2035E+01	.100000E+01	.100000E+01	.745058E-08	-.193915E-08
.6745E+00	.1939E+01	.100000E+01	.100000E+01	-.745058E-08	.145600E-08
.7949E+00	.1826E+01	.100000E+01	.100000E+01	-.745058E-08	.148286E-08
.8915E+00	.1700E+01	.100000E+01	.100000E+01	.745058E-08	-.443804E-08
.9655E+00	.1586E+01	.100000E+01	.100000E+01	-.894070E-07	-.400000E-07
.1019E+01	.1466E+01	.999970E+00	.100003E+01	-.151992E-05	-.770103E-06
.1055E+01	.1348E+01	.999647E+00	.100001E+01	-.260547E-04	-.130242E-04

SPHERE

$R/\lambda = 20$ $T_e/T_i = 1$ $V/C_i = 4$ $e\phi_s/KT_e = -1$

	Z/R	ρ/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
	.1076E+01	.1238E+01	.9923 04E+00	.1000 20E+01	-.392984E-03	-.196444E-03
	.1085E+01	.1135E+01	.9973 68E+00	.1002 62E+01	-.523147E-02	-.261574E-02
	.1056E+01	.1041E+01	.9 9638E+00	.1031 1E+01	-.616756E-01	-.308329E-01
	.1079E+01	.9544E+00	.723772E+00	.456173E+00	.267598E+00	-.323279E+00
	.1066E+01	.8752E+00	.667694E+00	.383986E+00	.283707E+00	-.403926E+00
	.1050E+01	.8048E+00	.626679E+00	.229663E+00	.397016E+00	-.467321E+00
	.1030E+01	.7405E+00	.611632E+00	.124332E+00	.487300E+00	-.491624E+00
	.1009E+01	.6825E+00	.617676E+00	.691563E-01	.548520E+00	-.481791E+00
	.9863E+00	.6301E+00	.6338 7E+00	.366719E-01	.597215E+00	-.455895E+00
	.9630E+00	.5829E+00	.651828E+00	.187019E-01	.633126E+00	-.427974E+00
	.9394E+00	.5402E+00	.656062E+00	.993053E-02	.646132E+00	-.421499E+00
	.9158E+00	.5015E+00	.5 9036E+00	.635193E-02	.592736E+00	-.512348E+00
	.8925E+00	.4665E+00	.370473E+00	.100000E+01	.000000E+00	-.992975E+00
	.8696E+00	.4343E+00	.357510E+00	.100000E+01	.000000E+00	-.102959E+01
	.1590E+00	.1987E+01	.100000E+01	.100000E+01	.745058E-08	-.204129E-08
	.3120E+00	.1950E+01	.100000E+01	.100000E+01	-.745058E-08	.122943E-08
	.4539E+00	.1891E+01	.100000E+01	.100000E+01	-.745058E-08	.129957E-08
	.5806E+00	.1814E+01	.100000E+01	.100000E+01	-.745058E-08	.141829E-08
	.6897E+00	.1724E+01	.100000E+01	.100000E+01	-.745058E-08	.786826E-09
	.7802E+00	.1625E+01	.100000E+01	.100000E+01	-.745058E-08	-.130698E-07
	.8526E+00	.1523E+01	.100000E+01	.100000E+01	-.208616E-06	-.100243E-06
	.9081E+00	.1419E+01	.999978E+00	.100000E+01	-.312924E-05	-.157295E-05
	.9494E+00	.1317E+01	.999975E+00	.100002E+01	-.443533E-04	-.221655E-04
	.9756E+00	.1220E+01	.9997 9E+00	.100028E+01	-.564190E-03	-.282076E-03
	.9919E+00	.1127E+01	.996777E+00	.100323E+01	-.645660E-02	-.322836E-02
	.9992E+00	.1041E+01	.9672 7E+00	.103303E+01	-.665521E-01	-.332699E-01
	.9992E+00	.9608E+00	.733671E+00	.447475E+00	.296196E+00	-.309694E+00
	.9936E+00	.8872E+00	.678854E+00	.379622E+00	.299231E+00	-.387350E+00
	.9836E+00	.8197E+00	.630893E+00	.229586E+00	.410307E+00	-.446455E+00
	.9703E+00	.7580E+00	.624738E+00	.124986E+00	.499772E+00	-.470423E+00
	.9545E+00	.7019E+00	.629155E+00	.694272E-01	.559727E+00	-.463378E+00
	.9370E+00	.6507E+00	.642581E+00	.370877E-01	.605494E+00	-.442262E+00
	.9183E+00	.6042E+00	.655135E+00	.191053E-01	.636030E+00	-.422914E+00
	.8989E+00	.5619E+00	.648340E+00	.102511E-01	.638089E+00	-.433340E+00
	.8790E+00	.5232E+00	.576141E+00	.632213E-02	.569819E+00	-.551402E+00
	.8590E+00	.4881E+00	.363445E+00	.100000E+01	.000000E+00	-.101213E+01
	.8391E+00	.4560E+00	.350957E+00	.100000E+01	.000000E+00	-.104709E+01
	.1364E+00	.1842E+01	.100000E+01	.100000E+01	-.745058E-08	-.100443E-10
	.2685E+00	.1812E+01	.100000E+01	.100000E+01	.745058E-08	-.234130E-08
	.3922E+00	.1765E+01	.100000E+01	.100000E+01	-.745058E-08	.385220E-09
	.5044E+00	.1702E+01	.100000E+01	.100000E+01	-.745058E-08	.101470E-08
12	.6031E+00	.1625E+01	.100000E+01	.100000E+01	-.745058E-08	-.147224E-08
11	.6873E+00	.1546E+01	.100000E+01	.100000E+01	-.670552E-07	-.109813E-07
10	.7568E+00	.1459E+01	.100000E+01	.100000E+01	-.424683E-06	-.265976E-06
9	.8122E+00	.1371E+01	.999927E+00	.100000E+01	-.650436E-05	-.315210E-05
8	.8547E+00	.1282E+01	.999963E+00	.100004E+01	-.745952E-04	-.373986E-04
7	.8857E+00	.1196E+01	.999566E+00	.100040E+01	-.806838E-03	-.403697E-03
6	.9068E+00	.1113E+01	.996017E+00	.100400E+01	-.798282E-02	-.399096E-02
5	.9195E+00	.1034E+01	.964519E+00	.103679E+01	-.722667E-01	-.361253E-01
4	.9253E+00	.9609E+00	.741059E+00	.433900E+00	.307159E+00	-.299676E+00
3	.9253E+00	.8923E+00	.695772E+00	.365028E+00	.320145E+00	-.377209E+00
12	.9238E+00	.8287E+00	.643703E+00	.219963E+00	.429240E+00	-.432780E+00
11	.9127E+00	.7701E+00	.634271E+00	.119740E+00	.514531E+00	-.455279E+00
10	.9019E+00	.7162E+00	.635735E+00	.672145E-01	.569570E+00	-.451324E+00
9	.8838E+00	.6667E+00	.643280E+00	.365320E-01	.606748E+00	-.441174E+00
8	.8744E+00	.6213E+00	.634777E+00	.199535E-01	.614813E+00	-.454481E+00
7	.8537E+00	.5798E+00	.5 8151E+00	.129325E-01	.555169E+00	-.565368E+00
6	.8424E+00	.5415E+00	.3633 5E+00	.100000E+01	.000000E+00	-.993509E+00
5	.8255E+00	.5066E+00	.3561 5E+00	.100000E+01	.000000E+00	-.103247E+01
4	.8034E+00	.4745E+00	.3461 8E+00	.100000E+01	.000000E+00	-.103677E+01
3						

SPHERE

$R/\lambda = 20$ $T_e/T_i = 1$ $V/C_i = 4$ $e\phi_s/KT_e = -1$

	Z/R	ρ/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
	.1192E+00	.1716E+01	.1000000E+01	.1000000E+01	-.745058E-08	-.980068E-08
	.2234E+00	.1692E+01	.1000000E+01	.1000000E+01	.745058E-08	-.122159E-07
	.3421E+00	.1653E+01	.1000000E+01	.1000000E+01	-.298023E-07	.147299E-07
	.4420E+00	.1602E+01	.1000000E+01	.1000000E+01	.670552E-07	-.210860E-07
	.5316E+00	.1541E+01	.1000000E+01	.1000000E+01	-.670552E-07	-.411551E-08
	.6091E+00	.1472E+01	.1000000E+01	.1000000E+01	-.126660E-06	-.493158E-07
	.6750E+00	.1398E+01	.9999998E+00	.1000000E+01	-.149757E-05	-.747907E-06
	.7293E+00	.1322E+01	.9999995E+00	.1000001E+01	-.139177E-04	-.729063E-05
	.7725E+00	.1245E+01	.9999932E+00	.1000007E+01	-.136822E-03	-.676374E-04
	.8058E+00	.1168E+01	.9999344E+00	.1000061E+01	-.121430E-02	-.606127E-03
	.8302E+00	.1094E+01	.9943934E+00	.1000509E+01	-.101551E-01	-.507938E-02
	.8469E+00	.1023E+01	.9609994E+00	.1004059E+01	-.795934E-01	-.397876E-01
	.8570E+00	.9558E+00	.7468446E+00	.4199995E+00	.3268502E+00	-.251899E+00
	.8615E+00	.8923E+00	.6691056E+00	.3435238E+00	.3455816E+00	-.372362E+00
	.8616E+00	.8329E+00	.6533246E+00	.2040756E+00	.4498506E+00	-.424764E+00
	.8579E+00	.7775E+00	.6396738E+00	.1108338E+00	.5288396E+00	-.446799E+00
	.8513E+00	.7261E+00	.6370246E+00	.6333476E-01	.5736906E+00	-.450947E+00
	.8423E+00	.6785E+00	.6240156E+00	.3609126E-01	.5979246E+00	-.471581E+00
	.8315E+00	.6346E+00	.5575388E+00	.2346106E-01	.5340776E+00	-.584225E+00
	.8193E+00	.5940E+00	.3722726E+00	.1000006E+01	.0000006E+00	-.988136E+00
	.8061E+00	.5566E+00	.3603126E+00	.1000006E+01	.0000006E+00	-.102078E+01
	.7922E+00	.5221E+00	.3485506E+00	.1000006E+01	.0000006E+00	-.105394E+01
	.7778E+00	.4904E+00	.3370366E+00	.1000006E+01	.0000006E+00	-.108757E+01
	.1038E+00	.1608E+01	.1000006E+01	.1000006E+01	.7450586E-08	-.220509E-06
	.2047E+00	.1586E+01	.1000006E+01	.1000006E+01	-.722706E-06	.348229E-06
	.3009E+00	.1555E+01	.1000006E+01	.1000006E+01	.122190E-05	-.424159E-06
	.3902E+00	.1512E+01	.1000006E+01	.1000006E+01	-.864267E-06	.121554E-06
	.4713E+00	.1461E+01	.1000006E+01	.1000006E+01	-.387430E-06	.956898E-07
	.5430E+00	.1403E+01	.9999996E+00	.1000006E+01	.506639E-06	-.347831E-06
	.6050E+00	.1340E+01	.9999978E+00	.1000006E+01	-.996143E-05	-.222561E-05
	.6574E+00	.1274E+01	.9999975E+00	.1000038E+01	-.508726E-04	-.252747E-04
	.7004E+00	.1206E+01	.9998834E+00	.1000206E+01	-.379451E-03	-.196115E-03
	.7348E+00	.1139E+01	.9986629E+00	.1001376E+01	-.273688E-02	-.137195E-02
	.7612E+00	.1073E+01	.9910381E+00	.1009056E+01	-.180288E-01	-.900903E-02
	.7807E+00	.1008E+01	.9472188E+00	.1055728E+01	-.108515E+00	-.542257E-01
	.7941E+00	.9469E+00	.7477156E+00	.4116856E+00	.3360296E+00	-.290734E+00
	.8023E+00	.8883E+00	.6861056E+00	.3052436E+00	.3805626E+00	-.376724E+00
	.8060E+00	.8329E+00	.6539206E+00	.1813446E+00	.4725776E+00	-.424770E+00
	.8060E+00	.7809E+00	.6338796E+00	.9951176E-01	.5394676E+00	-.447884E+00
	.8030E+00	.7322E+00	.6242186E+00	.5976326E-01	.5654556E+00	-.471256E+00
	.7975E+00	.6868E+00	.5660746E+00	.3780736E-01	.5232676E+00	-.569031E+00
	.7900E+00	.6445E+00	.3750356E+00	.1000006E+01	.0000006E+00	-.980816E+00
	.7809E+00	.6052E+00	.3634456E+00	.1000006E+01	.0000006E+00	-.101213E+01
	.7706E+00	.5688E+00	.3520336E+00	.1000006E+01	.0000006E+00	-.104403E+01
	.7594E+00	.5350E+00	.3407946E+00	.1000006E+01	.0000006E+00	-.107648E+01
	.7475E+00	.5037E+00	.3297526E+00	.1000006E+01	.0000006E+00	-.110941E+01
	.9149E-01	.1510E+01	.1000000E+01	.9999998E+00	-.616908E-05	.177080E-05
	.1810E+00	.1493E+01	.9999995E+00	.1000006E+01	.109375E-04	-.471947E-05
	.2667E+00	.1467E+01	.1000006E+01	.9999997E+00	-.120699E-04	.268607E-05
	.3469E+00	.1431E+01	.1000006E+01	.1000006E+01	.2858476E-05	.186900E-07
	.4205E+00	.1389E+01	.1000006E+01	.1000006E+01	-.484288E-06	-.267204E-07
12	.4866E+00	.1338E+01	.9999978E+00	.1000006E+01	-.557303E-05	-.230326E-05
11	.5447E+00	.1284E+01	.9999786E+00	.1000026E+01	-.219047E-04	-.237607E-04
10	.5948E+00	.1227E+01	.9993696E+00	.1000136E+01	-.255779E-03	-.130917E-03
9	.6369E+00	.1168E+01	.9951416E+00	.1000636E+01	-.176639E-02	-.899527E-03
8	.6716E+00	.1109E+01	.9941926E+00	.1005946E+01	-.116372E-01	-.582534E-02
7	.6993E+00	.1049E+01	.9623346E+00	.1039146E+01	-.767398E-01	-.383935E-01
6	.7207E+00	.9910E+00	.7810356E+00	.4402916E+00	.3317466E+00	-.247135E+00
5	.7365E+00	.9348E+00	.7157096E+00	.3931746E+00	.3227356E+00	-.334203E+00
4	.7475E+00	.8809E+00	.6732116E+00	.2625096E+00	.4106066E+00	-.395711E+00
3						

SPHERE

$R/\lambda = 20$ $T_e/T_i = 1$ $V/C_i = 4$ $e\phi_s/KT_e = -1$

Z/R	ρ/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.7541E+00	.82[illegible]6E+00	.646879E+00	.154011E+00	.492863E+00	-.435596E+00
.7572E+00	.7809E+00	.630495E+00	.570214E-01	.543474E+00	-.461250E+00
.7572E+00	.7350E+00	.604447E+00	.521342E-01	.552263E+00	-.503441E+00
.7547E+00	.6918E+00	.531062E+00	.329476E-01	.498134E+00	-.632840E+00
.7501E+00	.6514E+00	.355467E+00	.[illegible]00000E+01	.000000E+00	-.100658E+01
.7438E+00	.6136E+00	.354477E+00	.100000E+01	.000000E+00	-.103711E+01
.7361E+00	.5783E+00	.343503E+00	.100000E+01	.000000E+00	-.106827E+01
.7273E+00	.5455E+00	.332871E+00	.100000E+01	.000000E+00	-.110000E+01
.7176E+00	.5148E+00	.322306E+00	.100000E+01	.000000E+00	-.113225E+01
.3137E-01	.1424E+01	.999970E+00	.100003E+01	.292957E-04	-.300776E-04
.1612E+00	.1410E+01	.100002E+01	.999983E+00	-.788048E-04	.125718E-04
.2379E+00	.1388E+01	.999998E+00	.100000E+01	.296310E-04	-.153958E-05
.3103E+00	.1359E+01	.999993E+00	.100001E+01	.201682E-05	-.678270E-05
.3774E+00	.1321E+01	.999965E+00	.100001E+01	.353091E-05	-.147771E-04
.4333E+00	.1278E+01	.999988E+00	.100001E+01	-.723079E-04	-.123264E-04
.4926E+00	.1232E+01	.999927E+00	.100007E+01	-.206289E-03	-.730103E-04
.5402E+00	.1182E+01	.999564E+00	.100044E+01	-.920124E-03	-.436020E-03
.5810E+00	.1130E+01	.997546E+00	.100246E+01	-.483104E-02	-.245742E-02
.6154E+00	.1077E+01	.987150E+00	.101302E+01	-.257765E-01	-.129331E-01
.6437E+00	.1024E+01	.933012E+00	.106609E+01	-.128059E+00	-.639928E-01
.6663E+00	.9717E+00	.753842E+00	.410084E+00	.343759E+00	-.282572E+00
.6839E+00	.9206E+00	.696653E+00	.353529E+00	.343124E+00	-.361468E+00
.6969E+00	.8711E+00	.655850E+00	.222191E+00	.433609E+00	-.421900E+00
.7059E+00	.8235E+00	.626166E+00	.128736E+00	.497430E+00	-.468139E+00
.7114E+00	.7781E+00	.595451E+00	.786726E-01	.516778E+00	-.518420E+00
.7140E+00	.7350E+00	.524705E+00	.545930E-01	.470112E+00	-.644918E+00
.7140E+00	.6942E+00	.366341E+00	.100000E+01	.000000E+00	-.100419E+01
.7119E+00	.6557E+00	.355850E+00	.100000E+01	.000000E+00	-.103325E+01
.7080E+00	.6195E+00	.345413E+00	.100000E+01	.000000E+00	-.106301E+01
.7026E+00	.5855E+00	.335064E+00	.100000E+01	.000000E+00	-.109343E+01
.6960E+00	.5536E+00	.324828E+00	.100000E+01	.000000E+00	-.112446E+01
.6884E+00	.5238E+00	.314734E+00	.100000E+01	.000000E+00	-.115603E+01
.7233E-01	.1347E+01	.999992E+00	.100001E+01	-.281237E-03	-.772170E-05
.1444E+00	.1336E+01	.999945E+00	.100005E+01	.118323E-03	-.546502E-04
.2135E+00	.1317E+01	.999940E+00	.100006E+01	.336468E-04	-.600590E-04
.2791E+00	.1291E+01	.999988E+00	.100001E+01	-.131913E-03	-.121285E-04
.3404E+00	.1259E+01	.999967E+00	.100003E+01	-.123590E-03	-.334655E-04
.3956E+00	.1223E+01	.999872E+00	.100013E+01	-.212439E-03	-.128139E-03
.4473E+00	.1182E+01	.999541E+00	.100046E+01	-.807889E-03	-.458755E-03
.4923E+00	.1138E+01	.998930E+00	.100192E+01	-.373974E-02	-.192210E-02
.5316E+00	.1093E+01	.995658E+00	.100923E+01	-.184629E-01	-.919410E-02
.5653E+00	.1046E+01	.953555E+00	.104871E+01	-.952035E-01	-.475586E-01
.5935E+00	.9984E+00	.774350E+00	.395[illegible]5E+00	.378759E+00	-.255732E+00
.6170E+00	.9512E+00	.700426E+00	.393007E+00	.316417E+00	-.343299E+00
.6357E+00	.9046E+00	.662235E+00	.294433E+00	.367802E+00	-.412135E+00
.6503E+00	.8593E+00	.615858E+00	.189057E+00	.426781E+00	-.484771E+00
.6611E+00	.8153E+00	.563435E+00	.118[illegible]8E+00	.444597E+00	-.573614E+00
.6686E+00	.7731E+00	.503860E+00	.797673E-01	.429093E+00	-.675531E+00
.6733E+00	.7327E+00	.366049E+00	.100000E+01	.000000E+00	-.100499E+01
.6754E+00	.6942E+00	.356125E+00	.100000E+01	.000000E+00	-.103247E+01
.6754E+00	.6577E+00	.346195E+00	.100000E+01	.000000E+00	-.106075E+01
.6736E+00	.6231E+00	.336294E+00	.100000E+01	.000000E+00	-.108977E+01
.6703E+00	.5905E+00	.326455E+00	.100000E+01	.000000E+00	-.111946E+01
.6657E+00	.5598E+00	.316706E+00	.100001E+01	.000000E+00	-.114978E+01
.6600E+00	.5308E+00	.307071E+00	.100000E+01	.000000E+00	-.118068E+01
.6557E-01	.1279E+01	.997667E+00	.100083E+01	-.811480E-03	-.333287E-03
.1301E+00	.1269E+01	.999364E+00	.100014E+01	-.539677E-03	-.136035E-03
.1927E+00	.1252E+01	.999611E+00	.100012E+01	-.563065E-03	-.118634E-03
.2524E+00	.1230E+01	.999235E+00	.100015E+01	-.455455E-03	-.214891E-03
.3085E+00	.1203E+01	.998637E+00	.100021E+01	-.791796E-03	-.368091E-03

SPHERE

$R/\lambda = 20$ $\quad T_e/T_i = 1$ $\quad V/C_i = 4$ $\quad e\phi_s/KT_e = -1$

Z/R	ρ/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.3804E+00	.1171E+01	.9992366E+00	.1000679E+01	-.172146E-02	-.794656E-03
.4077E+00	.1136E+01	.9978456E+00	.1002168E+01	-.438245E-02	-.215723E-02
.4502E+00	.1097E+01	.9932956E+00	.1006798E+01	-.134422E-01	-.676830E-02
.4879E+00	.1057E+01	.9763832E+00	.1023726E+01	-.469404E-01	-.234403E-01
.5206E+00	.1015E+01	.9191946E+00	.1087918E+01	-.168719E+00	-.842581E-01
.5436E+00	.9726E+00	.7405038E+00	.4249178E+00	.315685E+00	-.300426E+00
.5722E+00	.9299E+00	.6683618E+00	.3707228E+00	.297638E+00	-.402927E+00
.5917E+00	.8876E+00	.6051618E+00	.2541608E+00	.351000E+00	-.502261E+00
.6074E+00	.8460E+00	.5190188E+00	.1841858E+00	.334833E+00	-.655816E+00
.6196E+00	.8055E+00	.3737866E+00	.1000000E+01	.000000E+00	-.984073E+00
.6287E+00	.7662E+00	.3645488E+00	.1000000E+01	.000000E+00	-.100896E+01
.6350E+00	.7284E+00	.3552998E+00	.1000000E+01	.000000E+00	-.103479E+01
.6390E+00	.6922E+00	.3459348E+00	.1000000E+01	.000000E+00	-.106151E+01
.6408E+00	.6577E+00	.3365418E+00	.1000000E+01	.000000E+00	-.108904E+01
.6408E+00	.6248E+00	.3271568E+00	.1000000E+01	.000000E+00	-.111732E+01
.6393E+00	.5936E+00	.3178118E+00	.1000000E+01	.000000E+00	-.114630E+01
.6364E+00	.5641E+00	.3085338E+00	.1000000E+01	.000000E+00	-.117593E+01
.6324E+00	.5362E+00	.2993478E+00	.1000000E+01	.000000E+00	-.120615E+01
.5935E-01	.1217E+01	.9976768E+00	.1002338E+01	-.367829E-02	-.232700E-02
.1179E+00	.1208E+01	.9983248E+00	.1001688E+01	-.247481E-02	-.167768E-02
.1747E+00	.1194E+01	.9984958E+00	.1001518E+01	-.229579E-02	-.150643E-02
.2292E+00	.1175E+01	.9982298E+00	.1001778E+01	-.255581E-02	-.177281E-02
.2807E+00	.1151E+01	.9972378E+00	.1002718E+01	-.351246E-02	-.270644E-02
.3238E+00	.1123E+01	.9946188E+00	.1005218E+01	-.101998E-01	-.519586E-02
.3729E+00	.1092E+01	.9885328E+00	.1011508E+01	-.230404E-01	-.115341E-01
.4130E+00	.1059E+01	.9708478E+00	.1030038E+01	-.593296E-01	-.295960E-01
.4489E+00	.1022E+01	.9143118E+00	.1093728E+01	-.179465E+00	-.895843E-01
.4805E+00	.9851E+00	.7499128E+00	.4590788E+00	.290328E+00	-.287800E+00
.5081E+00	.9469E+00	.6596608E+00	.4241288E+00	.235529E+00	-.416031E+00
.5317E+00	.9083E+00	.5760728E+00	.3439678E+00	.233010E+00	-.551511E+00
.5515E+00	.8697E+00	.5044518E+00	.2371128E+00	.267338E+00	-.684285E+00
.5680E+00	.8316E+00	.3704738E+00	.1000008E+01	.000000E+00	-.992975E+00
.5812E+00	.7943E+00	.3620158E+00	.1000008E+01	.000000E+00	-.101607E+01
.5915E+00	.7579E+00	.3533878E+00	.1000008E+01	.000000E+00	-.104019E+01
.5992E+00	.7226E+00	.3446358E+00	.1000008E+01	.000000E+00	-.106527E+01
.6046E+00	.6885E+00	.3358018E+00	.1000008E+01	.000000E+00	-.109124E+01
.6080E+00	.6560E+00	.3269228E+00	.1000008E+01	.000000E+00	-.111803E+01
.6096E+00	.6248E+00	.3180638E+00	.1000008E+01	.000000E+00	-.114560E+01
.6096E+00	.5951E+00	.3091648E+00	.1000008E+01	.000000E+00	-.117388E+01
.6082E+00	.5668E+00	.3003438E+00	.1000008E+01	.000000E+00	-.120283E+01
.6057E+00	.5399E+00	.2915938E+00	.1000008E+01	.000000E+00	-.123240E+01
.5397E-01	.1160E+01	.9937048E+00	.1011428E+01	-.227710E-01	-.113599E-01
.1072E+00	.1152E+01	.9932318E+00	.1009878E+01	-.191070E-01	-.931731E-02
.1592E+00	.1141E+01	.9901208E+00	.1009988E+01	-.198960E-01	-.992954E-02
.2091E+00	.1124E+01	.9836208E+00	.1011518E+01	-.227404E-01	-.114443E-01
.2565E+00	.1103E+01	.9841958E+00	.1016068E+01	-.317033E-01	-.159308E-01
.3011E+00	.1079E+01	.9724038E+00	.1028388E+01	-.557406E-01	-.279951E-01
.3423E+00	.1051E+01	.9462688E+00	.1056788E+01	-.110207E+00	-.552296E-01
.3800E+00	.1021E+01	.8897208E+00	.1123958E+01	-.234195E+00	-.116848E+00
.4142E+00	.9854E+00	.7299538E+00	.5484038E+00	.181324E+00	-.314803E+00
.4446E+00	.9560E+00	.6114928E+00	.5041388E+00	.107349E+00	-.491954E+00
.4715E+00	.9216E+00	.5273208E+00	.4596208E+00	.676925E-01	-.639948E+00
.4948E+00	.8866E+00	.3734828E+00	.1000008E+01	.000000E+00	-.984986E+00
.5147E+00	.8515E+00	.3660408E+00	.1000008E+01	.000000E+00	-.100499E+01
.5317E+00	.8166E+00	.3585348E+00	.1000008E+01	.000000E+00	-.102626E+01
.5457E+00	.7821E+00	.3509428E+00	.1000008E+01	.000000E+00	-.104862E+01
.5569E+00	.7483E+00	.3432628E+00	.1000008E+01	.000000E+00	-.107201E+01
.5654E+00	.7155E+00	.3355068E+00	.1000008E+01	.000000E+00	-.109636E+01
.5718E+00	.6838E+00	.3276758E+00	.1000008E+01	.000000E+00	-.112161E+01
.5761E+00	.6532E+00	.3197608E+00	.1000008E+01	.000000E+00	-.114769E+01

SPHERE

$R/\lambda = 20$ $T_e/T_i = 1$ $V/C_i = 4$ $e\phi_s/KT_e = -1$

Z/R	ρ/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.5795E+00	.6234E+00	.303954E+00	.100000E+01	.000000E+00	-.117456E+01
.5812E+00	.5951E+00	.300b+3E+00	.100000E+01	.000000E+00	-.120216E+01
.5812E+00	.5680E+00	.292162E+00	.100000E+01	.000000E+00	-.123045E+01
.5801E+00	.5422E+00	.283834E+00	.100000E+01	.000000E+00	-.125936E+01
.4929E-01	.1109E+01	.946620E+00	.105617E+01	-.109504E+00	-.546461E-01
.9789E-01	.1102E+01	.948584E+00	.105420E+01	-.106769E+00	-.527952E-01
.1456E+00	.1092E+01	.947120E+00	.105583E+01	-.110106E+00	-.543292E-01
.1915E+00	.1077E+01	.941650E+00	.106195E+01	-.120363E+00	-.601112E-01
.2353E+00	.1050E+01	.925419E+00	.108036E+01	-.154452E+00	-.772922E-01
.2760E+00	.1037E+01	.879001E+00	.113765E+01	-.258737E+00	-.128969E+00
.3162E+00	.1013E+01	.786907E+00	.127080E+01	-.483913E+00	-.239646E+00
.3507E+00	.9864E+00	.670462E+00	.828355E+00	-.157876E+00	-.399758E+00
.3831E+00	.9579E+00	.549339E+00	.605436E+00	-.561006E-01	-.599039E+00
.4124E+00	.9274E+00	.373492E+00	.100000E+01	.000000E+00	-.984886E+00
.4384E+00	.8969E+00	.367213E+00	.100000E+01	.000000E+00	-.100180E+01
.4614E+00	.8651E+00	.360595E+00	.100000E+01	.000000E+00	-.102000E+01
.4813E+00	.8330E+00	.353659E+00	.100000E+01	.000000E+00	-.103942E+01
.4984E+00	.8010E+00	.346456E+00	.100000E+01	.000000E+00	-.106000E+01
.5129E+00	.7692E+00	.339050E+00	.100000E+01	.000000E+00	-.108167E+01
.5248E+00	.7373E+00	.331425E+00	.100000E+01	.000000E+00	-.110435E+01
.5344E+00	.7073E+00	.323678E+00	.100000E+01	.000000E+00	-.112901E+01
.5420E+00	.6775E+00	.315826E+00	.100000E+01	.000000E+00	-.115256E+01
.5477E+00	.6486E+00	.307905E+00	.100000E+01	.000000E+00	-.117796E+01
.5517E+00	.6207E+00	.299914E+00	.100000E+01	.000000E+00	-.120416E+01
.5542E+00	.5938E+00	.291972E+00	.100000E+01	.000000E+00	-.123110E+01
.5554E+00	.5680E+00	.284015E+00	.100000E+01	.000000E+00	-.125873E+01
.5554E+00	.5433E+00	.276095E+00	.100000E+01	.000000E+00	-.128701E+01

SPHERE

$R/\lambda = 20$ $\quad T_e/T_i = 5$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -1$

	Z/R	ρ/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
	.20[illegible]E+02	.1000E+02	.9999[illegible]E+00	.9999[illegible]E+00	.172261E-04	-.373537E-04
	.1176E+02	.2041E+01	.9967[illegible]E+00	.9957[illegible]E+00	.475955E-03	-.197432E-01
	.8108E+01	.1351E+01	.9643[illegible]E+00	.9[illegible]E+00	-.311945E-01	-.161597E+00
	.6154E+01	.7502E+00	.8356[illegible]E+00	.7[illegible]E+00	.452702E-01	-.908719E+00
	.4950E+01	.4050E+00	.7324[illegible]E+00	.5046[illegible]E+00	.229047E+00	-.155691E+01
	.4158E+01	.3443E+00	.6627[illegible]E+00	.2[illegible]E+00	.447507E+00	-.205668E+01
	.3553E+01	.2998E+00	.6292[illegible]E+00	.9726[illegible]E-01	.533107E+00	-.231622E+01
	.3113E+01	.1946E+00	.6[illegible]E+00	.2[illegible]E-01	.560633E+00	-.249997E+01
	.2769E+01	.1538E+00	.5921[illegible]E+00	.[illegible]E-02	.585393E+00	-.262017E+01
	.2494E+01	.1247E+00	.5813[illegible]E+00	.2[illegible]E-02	.581648E+00	-.271165E+01
	.2268E+01	.1031E+00	.5736[illegible]E+00	.7[illegible]E-03	.575944E+00	-.277953E+01
	.2[illegible]E+01	.8665E-01	.5587[illegible]E+00	.1[illegible]E-03	.571458E+00	-.282139E+01
	.1920E+01	.7386E-01	.5682[illegible]E+00	.4572[illegible]E-04	.570886E+00	-.282574E+01
12	.1783E+01	.6369E-01	.5742[illegible]E+00	.1082[illegible]E-04	.576531E+00	-.277364E+01
11	.1665E+01	.5543E-01	.5893[illegible]E+00	.2386[illegible]E-05	.591151E+00	-.264356E+01
10	.1561E+01	.4878E-01	.6155[illegible]E+00	.4[illegible]E-06	.616791E+00	-.242533E+01
9	.1459E+01	.4322E-01	.6516[illegible]E+00	.9[illegible]E-07	.652179E+00	-.214144E+01
8	.1393E+01	.3659E-01	.6915[illegible]E+00	.1707[illegible]E-07	.692103E+00	-.184169E+01
7	.1315E+01	.3460E-01	.7312[illegible]E+00	.471346E-08	.731277E+00	-.156533E+01
6	.1249E+01	.3123E-01	.7668[illegible]E+00	.2[illegible]E-08	.766834E+00	-.132758E+01
5	.1190E+01	.2833E-01	.7975[illegible]E+00	.7553[illegible]E-09	.797536E+00	-.113118E+01
4	.1130E+01	.2581E-01	.8221[illegible]E+00	.6152[illegible]E-09	.822135E+00	-.977[illegible]E+00
3						

SPHERE

$R/\lambda = 20$ $\quad T_e/T_i = 5$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -1$

Z/R	ρ/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.1066E+01	.2462E-01	.337382E+00	.442564E-03	.937383E+00	-.887375E+00
.7692E+01	.1154E+02	.100000E+01	.100000E+01	-.995376E-06	-.777492E-06
.3003E+01	.6000E+01	.100000E+01	.100000E+01	-.134110E-05	-.101142E-05
.6667E+01	.3333E+01	.100000E+01	.100000E+01	-.244379E-05	-.177991E-05
.5479E+01	.2655E+01	.999990E+00	.100005E+01	-.692382E-04	-.476989E-04
.4587E+01	.1376E+01	.999778E+00	.100111E+01	-.143426E-02	-.111178E-02
.3322E+01	.9804E+00	.942517E+00	.110034E+01	-.164235E+00	-.296005E+00
.3415E+01	.7317E+00	.747055E+00	.697790E+00	.604198E-01	-.145273E+01
.3019E+01	.5660E+00	.645422E+00	.251332E+00	.397005E+00	-.218616E+01
.2703E+01	.4505E+00	.614376E+00	.680062E-01	.549193E+00	-.243571E+01
.2445E+01	.3667E+00	.605662E+00	.133734E-01	.595994E+00	-.249917E+01
.2251E+01	.3043E+00	.611104E+00	.220702E-02	.610391E+00	-.247063E+01
.2051E+01	.2564E+00	.621666E+00	.274362E-03	.623735E+00	-.237500E+01
.1953E+01	.2190E+00	.642553E+00	.331186E-04	.644271E+00	-.221044E+01
.1765E+01	.1892E+00	.673016E+00	.339632E-05	.674020E+00	-.197992E+01
.1650E+01	.1650E+00	.710477E+00	.294412E-06	.710961E+00	-.170009E+01
.1549E+01	.1452E+00	.749865E+00	.248276E-07	.750052E+00	-.143931E+01
.1457E+01	.1288E+00	.785735E+00	.302513E-08	.786797E+00	-.119832E+01
.1370E+01	.1149E+00	.819142E+00	.792857E-09	.819161E+00	-.997489E+00
.1305E+01	.1032E+00	.846784E+00	.233683E-09	.846790E+00	-.831547E+00
.1243E+01	.9323E-01	.869959E+00	.238332E-09	.870001E+00	-.696316E+00
.1184E+01	.8460E-01	.889164E+00	.208265E-09	.889165E+00	-.587365E+00
.1131E+01	.7712E-01	.904037E+00	.115945E-09	.904037E+00	-.504423E+00
.1082E+01	.7059E-01	.917706E+00	.370480E-10	.917766E+00	-.461860E+00
.3442E+01	.6621E+01	.100000E+01	.100000E+01	-.819564E-06	-.619280E-06
.4872E+01	.5892E+01	.100000E+01	.100000E+01	-.234465E-06	-.613202E-06
.4918E+01	.4098E+01	.100000E+01	.100000E+01	-.767410E-06	-.537485E-06
.4434E+01	.2403E+01	.100000E+01	.100000E+01	-.635453E-06	-.466654E-06
.4030E+01	.2000E+01	.999920E+00	.100000E+01	-.581145E-05	-.372841E-05
.3553E+01	.1479E+01	.999980E+00	.100006E+01	-.831857E-04	-.565087E-04
.3167E+01	.1131E+01	.999760E+00	.100156E+01	-.237747E-02	-.150104E-02
.2947E+01	.8897E+00	.990420E+00	.117278E+01	-.182391E+00	-.268875E-02
.2579E+01	.7163E+00	.709470E+00	.545820E+00	.163936E+00	-.171618E+01
.2353E+01	.5682E+00	.630700E+00	.159440E+00	.473451E+00	-.230463E+01
.2161E+01	.4812E+00	.616013E+00	.264406E-01	.591905E+00	-.242243E+01
.1977E+01	.4160E+00	.625284E+00	.497224E-02	.622419E+00	-.234791E+01
.1854E+01	.3566E+00	.646334E+00	.556126E-03	.645772E+00	-.218242E+01
.1731E+01	.3000E+00	.677259E+00	.642527E-04	.678119E+00	-.194853E+01
.1622E+01	.2703E+00	.714866E+00	.664279E-05	.715294E+00	-.167933E+01
.1525E+01	.2383E+00	.753652E+00	.611795E-05	.753996E+00	-.141203E+01
.1439E+01	.2117E+00	.790028E+00	.554723E-07	.790082E+00	-.117843E+01
.1363E+01	.1893E+00	.821730E+00	.582563E-08	.821777E+00	-.981534E+00
.1293E+01	.1702E+00	.848823E+00	.918693E-09	.848827E+00	-.819525E+00
.1231E+01	.1538E+00	.871559E+00	.431429E-09	.871570E+00	-.687303E+00
.1174E+01	.1397E+00	.890361E+00	.133769E-09	.890361E+00	-.580644E+00
.1122E+01	.1275E+00	.904923E+00	.119405E-09	.904923E+00	-.499529E+00
.1074E+01	.1168E+00	.912343E+00	.109720E-09	.912343E+00	-.458696E+00
.1387E+01	.6664E+01	.100000E+01	.100000E+01	-.573695E-06	-.469898E-06
.3077E+01	.5385E+01	.100000E+01	.100000E+01	-.506639E-06	-.372291E-06
.3529E+01	.4118E+01	.100000E+01	.100000E+01	-.424683E-06	-.301618E-06
.3560E+01	.3097E+01	.100000E+01	.100000E+01	-.312924E-06	-.215573E-06
.3350E+01	.2349E+01	.100000E+01	.100000E+01	-.283122E-06	-.182335E-06
.3109E+01	.1813E+01	.100000E+01	.100000E+01	-.210106E-05	-.124658E-05
.2857E+01	.1429E+01	.100000E+01	.100000E+01	-.120173E-04	.453489E-05
.2623E+01	.1143E+01	.100077E+01	.100162E+01	.395913E-02	.484570E-02
.2412E+01	.9283E+00	.107579E+01	.125334E+01	-.180440E+00	.395094E+00
.2227E+01	.7595E+00	.780602E+00	.700163E+00	.773282E-01	-.123737E+01
.2064E+01	.6567E+00	.694721E+00	.230338E+00	.465523E+00	-.211773E+01
.1920E+01	.5600E+00	.638247E+00	.355505E-01	.602901E+00	-.226092E+01
.1793E+01	.4920E+00	.598134E+00	.513599E-02	.593376E+00	-.212926E+01

SPHERE

$R/\lambda = 20$ $T_e/T_i = 5$ $V/C_i = 8$ $e\phi_s/KT_e = -1$

Z/R	ρ/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.1631E+01	.4202E+00	.6839866E+00	.5241726E-04	.6841722E+00	-.1899756E+01
.1591E+01	.3883E+00	.7215301E+00	.5373922E-04	.7216138E+00	-.1653550E+01
.1491E+01	.3262E+00	.7594651E+00	.4957638E-05	.7595696E+00	-.1375716E+01
.1411E+01	.2905E+00	.7946150E+00	.4176038E-06	.7946566E+00	-.1149436E+01
.1339E+01	.2662E+00	.8253559E+00	.3559E[illegible]E-07	.8253872E+00	-.9506356E+00
.1273E+01	.2344E+00	.8515722E+00	.3508667E-08	.8515596E+00	-.8032386E+00
.1213E+01	.2122E+00	.8736766E+00	.6665136E-09	.8736777E+00	-.6752206E+00
.1158E+01	.1951E+00	.8919438E+00	.3520944E-09	.8919441E+00	-.5717666E+00
.1108E+01	.1763E+00	.9060567E+00	.1202795E-09	.9060568E+00	-.4932086E+00
.1062E+01	.1617E+00	.9130551E+00	.1128776E-09	.9130551E+00	-.4548614E+00
.1176E+01	.5294E+01	.1000000E+01	.1000000E+01	-.3270266E-06	-.2346006E-06
.2052E+01	.4639E+01	.1000000E+01	.1000000E+01	-.2740236E-06	-.2051606E-06
.2564E+01	.3846E+01	.1000000E+01	.1000000E+01	-.2453696E-06	-.1634586E-06
.2739E+01	.3103E+01	.1000000E+01	.1000000E+01	-.1332656E-06	-.1115996E-06
.2762E+01	.2486E+01	.1000000E+01	.1000000E+01	-.1043036E-06	-.7599866E-07
.2567E+01	.2000E+01	.1000000E+01	.1000000E+01	-.1470126E-06	-.1087946E-06
.2527E+01	.1625E+01	.1000000E+01	.1000000E+01	-.1221306E-06	-.8324236E-06
.2374E+01	.1335E+01	.1000002E+01	.9999136E+00	.7370866E-04	.8730866E-04
.2222E+01	.1111E+01	.1001396E+01	.9931096E+00	.7272056E-02	.6923556E-02
.2079E+01	.9356E+00	.1050146E+01	.1231426E+01	-.1754776E+00	.2919846E+00
.1947E+01	.7965E+00	.7931536E+00	.6163716E+00	.1743016E+00	-.1158706E+01
.1826E+01	.6849E+00	.6730216E+00	.1612756E+00	.5171356E+00	-.1442376E+01
.1717E+01	.5945E+00	.6665496E+00	.2279036E-01	.6443626E+00	-.2013226E+01
.1618E+01	.5202E+00	.6942546E+00	.3379426E-02	.6914676E+00	-.1824506E+01
.1529E+01	.4587E+00	.7300336E+00	.3047926E-03	.7300036E+00	-.1573336E+01
.1448E+01	.4072E+00	.7657656E+00	.2973226E-04	.7658336E+00	-.1327876E+01
.1374E+01	.3638E+00	.8014736E+00	.2437056E-05	.8014916E+00	-.1112766E+01
.1307E+01	.3268E+00	.8329236E+00	.1963906E-06	.8329426E+00	-.9320546E+00
.1245E+01	.2951E+00	.8551076E+00	.1649226E-07	.8551106E+00	-.7826416E+00
.1190E+01	.2677E+00	.8763426E+00	.1762196E-08	.8763436E+00	-.6599966E+00
.1138E+01	.2439E+00	.8939096E+00	.4661626E-09	.8939096E+00	-.5607556E+00
.1091E+01	.2231E+00	.9073756E+00	.3007946E-09	.9073756E+00	-.4859966E+00
.1047E+01	.2048E+00	.9135386E+00	.9936066E-10	.9135386E+00	-.4521516E+00
.1008E+01	.1886E+00	.9222306E+00	.1000006E+01	-.1862656E-06	-.1159396E-06
.1466E+01	.4401E+01	.1000000E+01	.1000000E+01	-.1493126E-06	-.1032606E-06
.1911E+01	.3503E+01	.1000000E+01	.1000000E+01	-.1142096E-06	-.8511916E-07
.2162E+01	.2973E+01	.1000000E+01	.1000000E+01	-.8940706E-07	-.5487466E-07
.2202E+01	.2+53E+01	.1000000E+01	.1000000E+01	-.5215416E-07	-.3699926E-07
.2264E+01	.2075E+01	.1000000E+01	.1000000E+01	-.3725296E-07	-.3410946E-07
.2208E+01	.1735E+01	.1000000E+01	.1000000E+01	-.4619366E-06	-.3389806E-06
.2122E+01	.1455E+01	.9999978E+00	.1000001E+01	-.1668186E-04	-.1290366E-04
.2072E+01	.1236E+01	.9999017E+00	.1000045E+01	-.5694186E-03	-.4475006E-03
.1919E+01	.1056E+01	.9974666E+00	.1012776E+01	-.1538346E-01	-.1268596E-01
.1818E+01	.9051E+00	.9423826E+00	.9809016E+00	-.2955186E-01	-.2943866E+00
.1722E+01	.7891E+00	.7518466E+00	.3417116E+00	.4097286E+00	-.1426126E+01
.1631E+01	.6901E+00	.7010906E+00	.8915046E-01	.6120806E+00	-.1775596E+01
.1547E+01	.6077E+00	.7104046E+00	.1220706E-01	.6982966E+00	-.1706096E+01
.1469E+01	.5387E+00	.7415366E+00	.1415436E-02	.7401316E+00	-.1494826E+01
.1397E+01	.4803E+00	.7756766E+00	.1206016E-03	.7756126E+00	-.1270106E+01
.1331E+01	.4307E+00	.8074276E+00	.1076536E-04	.8074366E+00	-.1059516E+01
.1270E+01	.3861E+00	.8363076E+00	.6043416E-05	.8363126E+00	-.8957816E+00
.1214E+01	.3514E+00	.8597156E+00	.4986596E-06	.8597166E+00	-.7583866E+00
.1162E+01	.3196E+00	.8792086E+00	.5930416E-07	.8792086E+00	-.6436726E+00
.1114E+01	.2913E+00	.8959686E+00	.9109756E-08	.8959686E+00	-.5542796E+00
.1070E+01	.2674E+00	.9094066E+00	.3520666E-08	.9094066E+00	-.5042026E+00
.1029E+01	.2455E+00	.9242296E+00	.3937666E-07	.9242296E+00	-.3596966E+00
.5738E+00	.3756E+01	.1000000E+01	.1000000E+01	-.8960706E-07	-.5594426E-07
.1031E+01	.3514E+01	.1000000E+01	.1000000E+01	-.6765526E-07	-.5048346E-07
.1463E+01	.3171E+01	.1000000E+01	.1000000E+01	-.5215416E-07	-.4015076E-07
.1717E+01	.2703E+01	.1000000E+01	.1000000E+01	-.3725296E-07	-.2610296E-07

SPHERE

$R/\lambda = 20$ $\quad T_e/T_i = 5$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -1$

Z/R	ρ/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.1356E+01	.2416E+01	.1000000E+01	.1000000E+01	-.2235170E-07	-.2016710E-07
.1417E+01	.2077E+01	.1000000E+01	.1000000E+01	-.2235170E-07	-.2142940E-07
.1918E+01	.1761E+01	.1000000E+01	.1000000E+01	-.2683221E-06	-.1882000E-06
.1972E+01	.1527E+01	.9999999E+00	.1000000E+01	-.6392600E-05	-.4300910E-05
.1825E+01	.1518E+01	.9999628E+00	.1000369E+01	-.1316440E-03	-.9050710E-04
.1757E+01	.1142E+01	.9996711E+00	.1001155E+01	-.2251330E-02	-.1544040E-02
.1635E+01	.9954E+00	.9959030E+00	.1074730E+01	-.7940640E-01	-.2159610E-01
.1611E+01	.9725E+00	.9563630E+00	.6475100E+00	.2078350E+00	-.7751290E+00
.1539E+01	.7692E+00	.7559720E+00	.2094650E+00	.5456830E+00	-.1400740E+01
.1459E+01	.6521E+00	.7363920E+00	.3331240E-01	.7029570E+00	-.1529960E+01
.1403E+01	.6366E+00	.7568390E+00	.4640270E-02	.7519630E+00	-.1394540E+01
.1341E+01	.5443E+00	.7951620E+00	.4003280E-03	.7857830E+00	-.1202840E+01
.1283E+01	.4906E+00	.8153130E+00	.3597250E-04	.8152800E+00	-.1020920E+01
.1229E+01	.4437E+00	.8413530E+00	.3005530E-05	.8413310E+00	-.8629540E+00
.1178E+01	.4030E+00	.8637320E+00	.2341050E-06	.8637820E+00	-.7321760E+00
.1131E+01	.3674E+00	.8826760E+00	.1375940E-07	.8826770E+00	-.6229830E+00
.1090E+01	.3363E+00	.8975520E+00	.1843950E-08	.8975620E+00	-.5403640E+00
.1045E+01	.3088E+00	.9055320E+00	.4403860E-09	.9055320E+00	-.4361620E+00
.1007E+01	.2845E+00	.9043030E+00	.3174900E-09	.8943030E+00	-.5585520E+00
.4057E+00	.3275E+01	.1000000E+01	.1000000E+01	-.3725290E-07	-.2174010E-07
.8299E+00	.3112E+01	.1000000E+01	.1000000E+01	-.3725290E-07	-.2267970E-07
.1178E+01	.2674E+01	.1000000E+01	.1000000E+01	-.2235170E-07	-.1743010E-07
.1384E+01	.2556E+01	.1000000E+01	.1000000E+01	-.2235170E-07	-.1274540E-07
.1539E+01	.2308E+01	.1000000E+01	.1000000E+01	-.7450580E-08	-.1010740E-07
.1626E+01	.2033E+01	.1000000E+01	.1000000E+01	-.7450580E-08	-.1026290E-07
.1665E+01	.1751E+01	.1000000E+01	.1000000E+01	-.1252650E-06	-.1531900E-06
.1663E+01	.1554E+01	.9999999E+00	.1000000E+01	-.5744400E-06	-.4733230E-05
.1635E+01	.1386E+01	.9995768E+00	.1000012E+01	-.1457470E-03	-.1213580E-03
.1600E+01	.1270E+01	.9994435E+00	.1002530E+01	-.3040780E-02	-.2527150E-02
.1551E+01	.1059E+01	.9914120E+00	.1044070E+01	-.5290380E-01	-.4312340E-01
.1498E+01	.9363E+00	.8836210E+00	.6868270E+00	.1946200E+00	-.6186330E+00
.1443E+01	.8324E+00	.7935760E+00	.2912350E+00	.5022110E+00	-.1156030E+01
.1383E+01	.7453E+00	.7637490E+00	.7581330E-01	.6887830E+00	-.1347580E+01
.1353E+01	.6667E+00	.7783990E+00	.9959540E-02	.7683400E+00	-.1284870E+01
.1281E+01	.6005E+00	.7977040E+00	.1136820E-02	.7965560E+00	-.1130990E+01
.1231E+01	.5431E+00	.8238120E+00	.9436070E-04	.8237150E+00	-.9690670E+00
.1183E+01	.4931E+00	.8477760E+00	.8276070E-05	.8477670E+00	-.8256960E+00
.1153E+01	.4495E+00	.8666700E+00	.6512350E-06	.8666660E+00	-.7039580E+00
.1096E+01	.4110E+00	.8862830E+00	.5662800E-07	.8862930E+00	-.6035960E+00
.1056E+01	.3771E+00	.8999100E+00	.4343750E-08	.8999100E+00	-.5273030E+00
.1016E+01	.3471E+00	.9062270E+00	.6531520E-09	.9062270E+00	-.4923300E+00
.9825E+00	.3204E+00	.9026150E+00	.3505730E-09	.9026150E+00	-.5688000E+00
.3413E+00	.2981E+01	.1000000E+01	.1000000E+01	-.2235170E-07	-.8079450E-08
.8557E+00	.2787E+01	.1000000E+01	.1000000E+01	-.7450580E-08	-.1103600E-07
.9231E+00	.2615E+01	.1000000E+01	.1000000E+01	-.7450580E-08	-.8182350E-08
.1113E+01	.2468E+01	.1000000E+01	.1000000E+01	-.7450580E-08	-.5572260E-08
.1285E+01	.2185E+01	.1000000E+01	.1000000E+01	-.7450580E-08	-.3785850E-08
.1386E+01	.1968E+01	.1000000E+01	.1000000E+01	-.2235170E-07	-.1054220E-07
.1443E+01	.1758E+01	.1000000E+01	.1000000E+01	-.3129240E-06	-.2769020E-06
.1458E+01	.1560E+01	.9999999E+00	.1000001E+01	-.7078700E-05	-.6644630E-05
.1466E+01	.1387E+01	.9999972E+00	.1000014E+01	-.1682340E-03	-.1398250E-03
.1451E+01	.1234E+01	.9995100E+00	.1002450E+01	-.2744550E-02	-.2450420E-02
.1423E+01	.1100E+01	.9928130E+00	.1033670E+01	-.4293160E-01	-.3600410E-01
.1337E+01	.9827E+00	.9132350E+00	.7437350E+00	.1644320E+00	-.4533120E+00
.1347E+01	.8909E+00	.8413440E+00	.4677750E+00	.3841240E+00	-.9599720E+00
.1305E+01	.7922E+00	.7948090E+00	.1533620E+00	.6614100E+00	-.1147960E+01
.1282E+01	.7149E+00	.7916020E+00	.1763710E-01	.7739860E+00	-.1163490E+01
.1219E+01	.6474E+00	.8335070E+00	.2445730E-02	.8307400E+00	-.1054490E+01
.1178E+01	.5932E+00	.8826270E+00	.2043910E-03	.8824180E+00	-.9159560E+00
.1136E+01	.5463E+00	.9243760E+00	.1324190E-04	.9243560E+00	-.7669240E+00

SPHERE

$R/\lambda = 20$ $\quad T_e/T_i = 5$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -1$

	Z/R	ρ/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
	.1045E+01	.4905E+00	.8734[illegible]E+00	.1480[illegible]E-05	.873471E+00	-.676389E+00
	.1059E+01	.4800E+00	.8[illegible]E+00	.1152[illegible]E-04	.8[illegible]E+00	-.588410E+00
	.1023E+01	.4140E+00	.8[illegible]E+00	.9357[illegible]E-08	.8[illegible]E+00	-.537744E+00
	.9831E+00	.3625E+00	.8[illegible]E+00	.1371[illegible]E-04	.8[illegible]E+00	-.586736E+00
	.9503E+00	.3534E+00	.8[illegible]E+00	.1000[illegible]E+01	.8[illegible]E+00	-.980816E+00
	.2740E+00	.2603E+01	.1000[illegible]E+01	.1000[illegible]E+01	-.745058E-08	-.309954E-03
	.5305E+00	.2520E+01	.1000[illegible]E+01	.1000[illegible]E+01	-.745058E-08	-.110898E-03
	.7557E+00	.2393E+01	.1000[illegible]E+01	.1000[illegible]E+01	-.745058E-08	-.869921E-09
	.9412E+00	.2236E+01	.1000[illegible]E+01	.1000[illegible]E+01	-.745058E-08	.141868E-09
	.1095E+01	.2061E+01	.1000[illegible]E+01	.1000[illegible]E+01	-.745059E-08	.363603E-09
	.1188E+01	.1881E+01	.1000[illegible]E+01	.1000[illegible]E+01	-.745058E-08	-.115138E-07
	.1257E+01	.1706E+01	.1000[illegible]E+01	.1000[illegible]E+01	-.186265E-06	-.140528E-06
	.1297E+01	.1540E+01	.9999994E+00	.1000[illegible]E+01	-.318885E-05	-.266887E-05
	.1314E+01	.1387E+01	.9990[illegible]E+00	.1000[illegible]E+01	-.537485E-04	-.447704E-04
	.1314E+01	.1248E+01	.9938[illegible]E+00	.1000[illegible]E+01	-.766814E-03	-.638530E-03
	.1302E+01	.1124E+01	.9[illegible]E+00	.1000[illegible]E+01	-.932741E-02	-.774525E-02
	.1281E+01	.1014E+01	.9840[illegible]E+00	.1008[illegible]E+01	-.997035E-01	-.804094E-01
	.1254E+01	.9161E+00	.8642[illegible]E+00	.4219[illegible]E+00	.442359E+00	-.729753E+00
	.1223E+01	.8297E+00	.8139[illegible]E+00	.1473[illegible]E+01	.666549E+00	-.102944E+01
	.1152E+01	.7534E+00	.8071[illegible]E+00	.2950[illegible]E-01	.777041E+00	-.107121E+01
	.1155E+01	.6859E+00	.8213[illegible]E+00	.4047[illegible]E-02	.817284E+00	-.984120E+00
	.1121E+01	.6262E+00	.8412[illegible]E+00	.3736[illegible]E-03	.840894E+00	-.864220E+00
	.1090E+01	.5731E+00	.8602[illegible]E+00	.3275[illegible]E-04	.8[illegible]E+00	-.742535E+00
	.1055E+01	.5263E+00	.8734[illegible]E+00	.2749[illegible]E-05	.873435E+00	-.648048E+00
	.1021E+01	.4844E+00	.8825[illegible]E+00	.2126[illegible]E-06	.882504E+00	-.568621E+00
	.9902E+00	.4471E+00	.8[illegible]E+00	.1720[illegible]E-07	.8[illegible]E+00	-.527023E+00
	.9578E+00	.4136E+00	.8[illegible]E+00	.1381[illegible]E-08	.8[illegible]E+00	-.588181E+00
	.9275E+00	.3835E+00	.8[illegible]E+00	.1000[illegible]E+01	.0[illegible]E+00	-.995389E+00
	.2247E+00	.2360E+01	.1000[illegible]E+01	.1000[illegible]E+01	-.745058E-08	.266575E-08
	.4376E+00	.2298E+01	.1000[illegible]E+01	.1000[illegible]E+01	.745058E-08	-.247026E-03
	.6289E+00	.2201E+01	.1000[illegible]E+01	.1000[illegible]E+01	.745058E-08	-.164811E-08
	.7921E+00	.2078E+01	.1000[illegible]E+01	.1000[illegible]E+01	.745058E-08	-.277559E-08
	.9242E+00	.1941E+01	.1000[illegible]E+01	.1000[illegible]E+01	-.745058E-08	.195368E-08
	.1026E+01	.1795E+01	.1000[illegible]E+01	.1000[illegible]E+01	-.745058E-08	-.178626E-07
	.1059E+01	.1648E+01	.1000[illegible]E+01	.1000[illegible]E+01	-.283122E-06	-.240648E-06
	.1148E+01	.1506E+01	.9997[illegible]E+00	.1000[illegible]E+01	-.450760E-05	-.376080E-05
	.1176E+01	.1373E+01	.9995[illegible]E+00	.1000[illegible]E+01	-.630915E-04	-.525980E-04
	.1172E+01	.1249E+01	.9992[illegible]E+00	.1000[illegible]E+01	-.774830E-03	-.645520E-03
	.1169E+01	.1135E+01	.9956[illegible]E+00	.1007[illegible]E+01	-.839025E-02	-.697198E-02
	.1130E+01	.1032E+01	.9887[illegible]E+00	.1060[illegible]E+01	-.823059E-01	-.667614E-01
	.1164E+01	.9400E+00	.8997[illegible]E+00	.5318[illegible]E+00	.358385E+00	-.578499E+00
	.1143E+01	.8571E+00	.8[illegible]E+00	.1[illegible]E+01	.660841E+00	-.913571E+00
	.1119E+01	.7830E+00	.8[illegible]E+00	.4[illegible]E-01	.7[illegible]E+00	-.979794E+00
	.1042E+01	.7167E+00	.8[illegible]E+00	.9[illegible]E-02	.8[illegible]E+00	-.917439E+00
	.1004E+01	.6575E+00	.8496[illegible]E+00	.5693[illegible]E-03	.849038E+00	-.814902E+00
	.1036E+01	.6045E+00	.8672[illegible]E+00	.4[illegible]E-04	.867236E+00	-.711938E+00
	.1023E+01	.5570E+00	.8[illegible]E+00	.4[illegible]E-05	.8[illegible]E+00	-.621809E+00
	.9771E+00	.5145E+00	.8[illegible]E+00	.3[illegible]E-06	.8[illegible]E+00	-.552811E+00
	.9524E+00	.4762E+00	.8[illegible]E+00	.2[illegible]E-07	.8[illegible]E+00	-.525406E+00
	.9255E+00	.4417E+00	.8[illegible]E+00	.2[illegible]E-08	.8[illegible]E+00	-.607081E+00
	.9095E+00	.4106E+00	.8[illegible]E+00	.1[illegible]E+01	.0[illegible]E+00	-.101134E+01
12	.1375E+00	.2153E+01	.1[illegible]E+01	.1[illegible]E+01	.745058E-08	-.139087E-03
11	.4670E+00	.2110E+01	.1[illegible]E+01	.1[illegible]E+01	.745058E-08	-.809207E-09
10	.5510E+00	.2[illegible]E+01	.1[illegible]E+01	.1[illegible]E+01	.745058E-08	-.194976E-08
9	.6745E+00	.1[illegible]E+01	.1[illegible]E+01	.1[illegible]E+01	-.745058E-08	.146142E-08
8	.7969E+00	.1[illegible]E+01	.1[illegible]E+01	.1[illegible]E+01	-.745058E-08	-.809840E-09
7	.8915E+00	.1709E+01	.1[illegible]E+01	.1[illegible]E+01	-.372529E-07	-.428683E-07
6	.9655E+00	.1529E+01	.1[illegible]E+01	.1[illegible]E+01	-.625849E-06	-.533945E-06
5	.1019E+01	.1405E+01	.1[illegible]E+01	.1[illegible]E+01	-.823285E-05	-.697029E-05
4	.1055E+01	.1343E+01	.9[illegible]E+00	.1[illegible]E+01	-.961274E-04	-.801217E-04
3						

SPHERE

$R/\lambda = 20$ $\quad T_e/T_i = 5$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -1$

Z/R	ρ/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.1076E+01	.1238E+01	.9998[illegible]E+00	.1000064E+01	-.1009[illegible]E-02	-.9400[illegible]E-03
.1[illegible]E+01	.1155E+01	.9[illegible]E+00	.1007[illegible]E+01	-.9536[illegible]E-02	-.7917[illegible]E-02
.1035E+01	.1041E+01	.9[illegible]E+00	.1066[illegible]E+01	-.8313[illegible]E-01	-.6742[illegible]E-01
.1079E+01	.9544E+00	.8[illegible]E+00	.5262[illegible]E+00	.3715[illegible]E+00	-.5275[illegible]E+00
.1055E+01	.8759E+00	.8476[illegible]E+00	.1356[illegible]E+00	.6620[illegible]E+00	-.3264[illegible]E+00
.1050E+01	.8048E+00	.8347[illegible]E+00	.4646[illegible]E-01	.7882[illegible]E+00	-.9033[illegible]E+00
.1030E+01	.7405E+00	.8423[illegible]E+00	.6265[illegible]E-02	.8360[illegible]E+00	-.3578[illegible]E+00
.1039E+01	.6825E+00	.8572[illegible]E+00	.7186[illegible]E-03	.8545[illegible]E+00	-.7[illegible]E+00
.9[illegible]E+00	.6301E+00	.8729[illegible]E+00	.8156[illegible]E-04	.8728[illegible]E+00	-.6794[illegible]E+00
.9[illegible]E+00	.5829E+00	.8[illegible]E+00	.5508[illegible]E-05	.8[illegible]E+00	-.6033[illegible]E+00
.9394E+00	.5402E+00	.8938[illegible]E+00	.4603[illegible]E-06	.8938[illegible]E+00	-.5612[illegible]E+00
.9[illegible]E+00	.5015E+00	.8[illegible]E+00	.4[illegible]E-07	.8[illegible]E+00	-.6[illegible]E+00
.8[illegible]E+00	.4665E+00	.8[illegible]E+00	.1000[illegible]E+01	.0000[illegible]E+00	-.9[illegible]E+00
.8[illegible]E+00	.4348E+00	.8[illegible]E+00	.1000[illegible]E+01	.0000[illegible]E+00	-.1023[illegible]E+01
.1500E+00	.1987E+01	.1000[illegible]E+01	.1000[illegible]E+01	-.7450[illegible]E-08	.1114[illegible]E-03
.3120E+00	.1950E+01	.1000[illegible]E+01	.1000[illegible]E+01	-.7450[illegible]E-08	-.2176[illegible]E-03
.4539E+00	.1851E+01	.1000[illegible]E+01	.1000[illegible]E+01	-.7450[illegible]E-08	.1046[illegible]E-08
.5850E+00	.1714E+01	.1000[illegible]E+01	.1000[illegible]E+01	-.7450[illegible]E-08	-.2179[illegible]E-08
.6897E+00	.1724E+01	.1000[illegible]E+01	.1000[illegible]E+01	-.7450[illegible]E-08	-.1313[illegible]E-07
.7822E+00	.1625E+01	.1000[illegible]E+01	.1000[illegible]E+01	-.1192[illegible]E-06	-.1045[illegible]E-06
.8526E+00	.1523E+01	.1000[illegible]E+01	.1000[illegible]E+01	-.1385[illegible]E-05	-.1162[illegible]E-05
.9031E+00	.1417E+01	.9999[illegible]E+00	.1000[illegible]E+01	-.1487[illegible]E-04	-.1239[illegible]E-04
.9454E+00	.1317E+01	.9995[illegible]E+00	.1000[illegible]E+01	-.1465[illegible]E-03	-.1220[illegible]E-03
.9755E+00	.1220E+01	.9977[illegible]E+00	.1001[illegible]E+01	-.1320[illegible]E-02	-.1099[illegible]E-02
.9919E+00	.1127E+01	.9931[illegible]E+00	.1009[illegible]E+01	-.1091[illegible]E-01	-.9062[illegible]E-02
.9952E+00	.1041E+01	.9[illegible]E+00	.1070[illegible]E+01	-.7460[illegible]E-01	-.6857[illegible]E-01
.9952E+00	.9608E+00	.9[illegible]E+00	.5347[illegible]E+00	.3731[illegible]E+00	-.4231[illegible]E+00
.9935E+00	.8872E+00	.9[illegible]E+00	.1924[illegible]E+00	.6655[illegible]E+00	-.7506[illegible]E+00
.9835E+00	.8197E+00	.8[illegible]E+00	.4707[illegible]E-01	.7991[illegible]E+00	-.8404[illegible]E+00
.9703E+00	.7573E+00	.8511[illegible]E+00	.6358[illegible]E-02	.8447[illegible]E+00	-.8060[illegible]E+00
.9545E+00	.7019E+00	.8641[illegible]E+00	.7606[illegible]E-03	.8633[illegible]E+00	-.7301[illegible]E+00
.9370E+00	.6507E+00	.8778[illegible]E+00	.8556[illegible]E-04	.8777[illegible]E+00	-.6515[illegible]E+00
.9138E+00	.6042E+00	.8836[illegible]E+00	.5971[illegible]E-05	.8838[illegible]E+00	-.5889[illegible]E+00
.8[illegible]E+00	.5619E+00	.8[illegible]E+00	.5038[illegible]E-05	.8[illegible]E+00	-.5662[illegible]E+00
.8750E+00	.5232E+00	.8787[illegible]E+00	.4677[illegible]E-07	.8787[illegible]E+00	-.6462[illegible]E+00
.8595E+00	.4881E+00	.8[illegible]E+00	.1000[illegible]E+01	.0000[illegible]E+00	-.1012[illegible]E+01
.8391E+00	.4560E+00	.8[illegible]E+00	.1000[illegible]E+01	.0000[illegible]E+00	-.1047[illegible]E+01
.1564E+00	.1942E+01	.1000[illegible]E+01	.1000[illegible]E+01	.7450[illegible]E-08	-.3[illegible]E-08
.2695E+00	.1812E+01	.1000[illegible]E+01	.1000[illegible]E+01	-.7450[illegible]E-08	.1112[illegible]E-03
.3922E+00	.1765E+01	.1000[illegible]E+01	.1000[illegible]E+01	-.7450[illegible]E-08	.1106[illegible]E-08
.5044E+00	.1702E+01	.1000[illegible]E+01	.1000[illegible]E+01	-.7450[illegible]E-08	-.1820[illegible]E-08
.6031E+00	.1628E+01	.1000[illegible]E+01	.1000[illegible]E+01	-.3725[illegible]E-07	-.2955[illegible]E-07
.6873E+00	.1546E+01	.1000[illegible]E+01	.1000[illegible]E+01	-.3278[illegible]E-06	-.2857[illegible]E-06
.7508E+00	.1459E+01	.9[illegible]E+00	.1000[illegible]E+01	-.3129[illegible]E-05	-.2603[illegible]E-05
.8122E+00	.1371E+01	.9999[illegible]E+00	.1000[illegible]E+01	-.2780[illegible]E-04	-.2318[illegible]E-04
.8547E+00	.1282E+01	.9[illegible]E+00	.1000[illegible]E+01	-.2320[illegible]E-03	-.1953[illegible]E-03
.8857E+00	.1196E+01	.9[illegible]E+00	.1001[illegible]E+01	-.1897[illegible]E-02	-.1505[illegible]E-02
.9068E+00	.1113E+01	.9[illegible]E+00	.1010[illegible]E+01	-.1315[illegible]E-01	-.1091[illegible]E-01
.9193E+00	.1034E+01	.9[illegible]E+00	.1076[illegible]E+01	-.9128[illegible]E-01	-.7333[illegible]E-01
.9253E+00	.9602E+00	.9[illegible]E+00	.4[illegible]E+00	.4107[illegible]E+00	-.4713[illegible]E+00
.9253E+00	.8923E+00	.8[illegible]E+00	.1724[illegible]E+00	.6928[illegible]E+00	-.7229[illegible]E+00
.9203E+00	.8287E+00	.8531[illegible]E+00	.4700[illegible]E-01	.8111[illegible]E+00	-.7939[illegible]E+00
.9127E+00	.7701E+00	.8532[illegible]E+00	.5736[illegible]E-02	.8525[illegible]E+00	-.7640[illegible]E+00
.9019E+00	.7162E+00	.8[illegible]E+00	.6723[illegible]E-03	.8687[illegible]E+00	-.6[illegible]E+00
.8[illegible]E+00	.6667E+00	.8[illegible]E+00	.6[illegible]E-04	.8[illegible]E+00	-.6[illegible]E+00
.8[illegible]E+00	.6213E+00	.8[illegible]E+00	.7[illegible]E-05	.8[illegible]E+00	-.6[illegible]E+00
.8[illegible]E+00	.5796E+00	.8[illegible]E+00	.6[illegible]E-06	.8[illegible]E+00	-.6[illegible]E+00
.8[illegible]E+00	.5413E+00	.8[illegible]E+00	.1[illegible]E+01	.0[illegible]E+00	-.9[illegible]E+00
.8[illegible]E+00	.5060E+00	.8[illegible]E+00	.1[illegible]E+01	.0[illegible]E+00	-.1[illegible]E+01
.8[illegible]E+00	.4745E+00	.8[illegible]E+00	.1[illegible]E+01	.0[illegible]E+00	-.1[illegible]E+01

SPHERE

$R/\lambda = 20$ $T_e/T_i = 5$ $V/C_i = 8$ $e\phi_s/KT_e = -1$

	Z/R	ρ/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
	.1133E+00	.1716E+01	.1000000E+01	.1000000E+01	-.2235177E-07	-.9895846E-08
	.2538E+00	.1692E+01	.1000000E+01	.1000000E+01	-.7450588E-08	-.2046038E-08
	.3421E+00	.1653E+01	.1000000E+01	.1000000E+01	-.7450588E-08	-.1671626E-08
	.4420E+00	.1602E+01	.1000000E+01	.1000000E+01	-.2235177E-07	-.2002256E-07
	.5313E+00	.1541E+01	.1000000E+01	.1000000E+01	-.1341101E-06	-.1373887E-06
	.6091E+00	.1472E+01	.1000000E+01	.1000000E+01	-.1095244E-05	-.9250800E-06
	.6750E+00	.1398E+01	.9999999E+00	.1000001E+01	-.8113688E-05	-.6788506E-05
	.7293E+00	.1322E+01	.9999940E+00	.1000005E+01	-.5341266E-04	-.4869478E-04
	.7725E+00	.1245E+01	.9999838E+00	.1000340E+01	-.4036806E-03	-.3362526E-03
	.8059E+00	.1168E+01	.9995577E+00	.1002227E+01	-.2663176E-02	-.2217346E-02
	.8302E+00	.1094E+01	.9972238E+00	.1014005E+01	-.1677636E-01	-.1390266E-01
	.8469E+00	.1023E+01	.9835338E+00	.1086544E+01	-.1029976E+00	-.8299386E-01
	.9570E+00	.9558E+00	.9084716E+00	.4375428E+00	.4714296E+00	-.4772126E+00
	.9615E+00	.8923E+00	.8668943E+00	.1332156E+00	.7353286E+00	-.7046926E+00
	.9616E+00	.8329E+00	.8588706E+00	.3297196E-01	.8259046E+00	-.7606556E+00
	.9575E+00	.7775E+00	.8633356E+00	.4594016E-02	.8590416E+00	-.7530256E+00
	.9513E+00	.7261E+00	.8725516E+00	.5159926E-03	.8718356E+00	-.6828156E+00
	.9423E+00	.6785E+00	.8773566E+00	.4976156E-04	.8773306E+00	-.6542116E+00
	.9315E+00	.6346E+00	.8679116E+00	.5812046E-05	.8679906E+00	-.7063296E+00
	.9193E+00	.5940E+00	.8206776E+00	.1000000E+01	.0000000E+00	-.9881306E+00
	.9061E+00	.5566E+00	.8153356E+00	.1000000E+01	.0000000E+00	-.1020786E+01
	.7922E+00	.5221E+00	.8077456E+00	.1000000E+01	.0000000E+00	-.1053946E+01
	.7778E+00	.4904E+00	.8042176E+00	.1000000E+01	.0000000E+00	-.1087576E+01
	.1036E+00	.1566E+01	.1000000E+01	.1000000E+01	-.1362656E-06	-.1505416E-06
	.2047E+00	.1536E+01	.1000000E+01	.1000000E+01	-.6705526E-07	-.5800366E-07
	.3003E+00	.1555E+01	.1000000E+01	.1000000E+01	-.6705526E-07	-.5265916E-07
	.3902E+00	.1512E+01	.1000000E+01	.1000000E+01	-.1862656E-06	-.1686556E-06
	.4713E+00	.1461E+01	.1000000E+01	.1000000E+01	-.9154216E-06	-.7622566E-06
	.5430E+00	.1403E+01	.9999995E+00	.1000000E+01	-.5073356E-05	-.4241946E-05
	.6050E+00	.1340E+01	.9999995E+00	.1000012E+01	-.2469066E-04	-.2475146E-04
	.6574E+00	.1274E+01	.9999971E+00	.1000146E+01	-.1729656E-03	-.1441506E-03
	.7004E+00	.1206E+01	.9998537E+00	.1000862E+01	-.9709536E-03	-.8163706E-03
	.7348E+00	.1139E+01	.9992115E+00	.1004446E+01	-.5324266E-02	-.4429046E-02
	.7612E+00	.1073E+01	.9954506E+00	.1023716E+01	-.2755476E-01	-.2275356E-01
	.7807E+00	.1009E+01	.9783446E+00	.1115596E+01	-.1373416E+00	-.1094686E+00
	.7941E+00	.9469E+00	.9059456E+00	.3978656E+00	.5090016E+00	-.4883666E+00
	.8023E+00	.8885E+00	.8705516E+00	.1012276E+00	.7693236E+00	-.6903146E+00
	.8066E+00	.8329E+00	.8627406E+00	.2179256E-01	.8409526E+00	-.7381816E+00
	.8080E+00	.7803E+00	.8586726E+00	.2102156E-02	.8636166E+00	-.7147466E+00
	.8080E+00	.7322E+00	.8716036E+00	.3549446E-03	.8713526E+00	-.6665606E+00
	.7975E+00	.6869E+00	.8657236E+00	.3770026E-04	.8655866E+00	-.7209506E+00
	.7900E+00	.6445E+00	.8217786E+00	.1000000E+01	.0000000E+00	-.9805166E+00
	.7839E+00	.6052E+00	.8167476E+00	.1000000E+01	.0000000E+00	-.1012136E+01
	.7720E+00	.5693E+00	.8115536E+00	.1000000E+01	.0000000E+00	-.1044036E+01
	.7564E+00	.5350E+00	.8063636E+00	.1000000E+01	.0000000E+00	-.1076486E+01
	.7475E+00	.5037E+00	.8010796E+00	.1000000E+01	.0000000E+00	-.1109416E+01
	.9149E-01	.1519E+01	.1003300E+01	.1000000E+01	-.2019116E-05	-.1669206E-05
	.1811E+00	.1493E+01	.1000000E+01	.1000000E+01	-.9164216E-06	-.7713916E-06
	.2667E+00	.1467E+01	.1000000E+01	.1000000E+01	-.9213236E-06	-.7878036E-06
	.3453E+00	.1443E+01	.1000000E+01	.1000000E+01	-.1877556E-05	-.1584326E-05
	.4236E+00	.1386E+01	.9999960E+00	.1000001E+01	-.6146736E-05	-.5140356E-05
12	.4856E+00	.1339E+01	.9999760E+00	.1000002E+01	-.2653516E-04	-.2199196E-04
11	.5447E+00	.1284E+01	.9999579E+00	.1000111E+01	-.1280016E-03	-.1066826E-03
10	.5943E+00	.1227E+01	.9998741E+00	.1000541E+01	-.6612186E-03	-.5425776E-03
9	.6369E+00	.1168E+01	.9994421E+00	.1002658E+01	-.3555316E-02	-.2791296E-02
8	.6710E+00	.1109E+01	.9971141E+00	.1014941E+01	-.1770676E-01	-.1445676E-01
7	.6998E+00	.1049E+01	.9895622E+00	.1075544E+01	-.8809466E-01	-.7231946E-01
6	.7207E+00	.9910E+00	.9599166E+00	.5114016E+00	.4170016E+00	-.3713776E+00
5	.7365E+00	.9443E+00	.9183736E+00	.2732566E+00	.6151776E+00	-.5283286E+00
4	.7475E+00	.8960E+00	.8679006E+00	.8191666E-01	.7859846E+00	-.7084926E+00
3						

SPHERE

$R/\lambda = 20$ $\quad T_e/T_i = 5$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -1$

Z/R	ρ/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.7541E+00	.8295E+00	.9837[illegible]E+00	.118762E-01	.8512[illegible]E+00	-.732186E+00
.7572E+00	.7309E+00	.[illegible]E+00	.182823E-02	.9[illegible]E+00	-.711509E+00
.7572E+00	.7350E+00	.[illegible]E+00	.180[illegible]E-03	.6[illegible]E+00	-.702383E+00
.7547E+00	.6910E+00	.[illegible]E+00	.[illegible]E-04	.[illegible]E+00	-.763911E+00
.7501E+00	.6514E+00	.[illegible]E+00	.100000E+01	.000000E+00	-.100656E+01
.7438E+00	.6136E+00	.[illegible]E+00	.100000E+01	.000000E+00	-.103711E+01
.7361E+00	.5786E+00	.[illegible]E+00	.100000E+01	.000000E+00	-.106827E+01
.7273E+00	.5465E+00	.[illegible]E+00	.100000E+01	.000000E+00	-.110000E+01
.7176E+00	.5143E+00	.797359E+00	.100000E+01	.000000E+00	-.113225E+01
.8137E-01	.1424E+01	.[illegible]E+00	.100001E+01	-.179[illegible]E-04	-.145899E-04
.1612E+00	.1410E+01	.[illegible]E+00	.100001E+01	-.101[illegible]E-04	-.845369E-05
.2379E+00	.1395E+01	.[illegible]E+00	.100001E+01	-.105724E-04	-.877[illegible]E-05
.3103E+00	.1385E+01	.[illegible]E+00	.100001E+01	-.171736E-04	-.142940E-04
.3774E+00	.1321E+01	.[illegible]E+00	.100003E+01	-.406[illegible]E-04	-.339070E-04
.4383E+00	.1278E+01	.[illegible]E+00	.100011E+01	-.128650E-03	-.107371E-03
.4926E+00	.1232E+01	.[illegible]E+00	.100041E+01	-.486501E-03	-.405359E-03
.5402E+00	.1182E+01	.[illegible]E+00	.100167E+01	-.200402E-02	-.166890E-02
.5310E+00	.1130E+01	.[illegible]E+00	.100700E+01	-.850306E-02	-.708526E-02
.6154E+00	.1077E+01	.[illegible]E+00	.103002E+01	-.359199E-01	-.295797E-01
.6457E+00	.1024E+01	.[illegible]E+00	.112589E+01	-.140342E+00	-.118586E+00
.6666E+00	.9717E+00	.915[illegible]E+00	.473346E+00	.442639E+00	-.438774E+00
.6859E+00	.9206E+00	.[illegible]E+00	.181[illegible]E+00	.699[illegible]E+00	-.643922E+00
.6996E+00	.8711E+00	.[illegible]E+00	.[illegible]E-01	.[illegible]E+00	-.752613E+00
.7055E+00	.8235E+00	.861[illegible]E+00	.625955E-02	.854933E+00	-.747[illegible]E+00
.7114E+00	.7781E+00	.861497E+00	.883772E-03	.860614E+00	-.745416E+00
.7142E+00	.7350E+00	.852[illegible]E+00	.100760E-03	.852[illegible]E+00	-.795204E+00
.7143E+00	.6942E+00	.813[illegible]E+00	.100000E+01	.000000E+00	-.100419E+01
.7119E+00	.6557E+00	.813303E+00	.100000E+01	.000000E+00	-.103325E+01
.7080E+00	.6195E+00	.803477E+00	.100000E+01	.000000E+00	-.106301E+01
.7026E+00	.5855E+00	.[illegible]E+00	.100000E+01	.000000E+00	-.109343E+01
.6963E+00	.5536E+00	.798613E+00	.100000E+01	.000000E+00	-.112446E+01
.6894E+00	.5235E+00	.793576E+00	.100001E+01	.000000E+00	-.115603E+01
.7238E-01	.1347E+01	.[illegible]E+00	.100011E+01	-.130944E-03	-.108154E-03
.1444E+00	.1336E+01	.[illegible]E+00	.100038E+01	-.[illegible]E-04	-.759887E-04
.2135E+00	.1317E+01	.[illegible]E+00	.100083E+01	-.967607E-04	-.806273E-04
.2791E+00	.1291E+01	.[illegible]E+00	.100012E+01	-.138976E-03	-.115903E-03
.3404E+00	.1259E+01	.[illegible]E+00	.100022E+01	-.264779E-03	-.220672E-03
.3965E+00	.1223E+01	.[illegible]E+00	.100054E+01	-.[illegible]E-03	-.544064E-03
.4473E+00	.1182E+01	.[illegible]E+00	.100164E+01	-.196924E-02	-.164002E-02
.4923E+00	.1138E+01	.[illegible]E+00	.100576E+01	-.[illegible]E-02	-.568728E-02
.5316E+00	.1093E+01	.[illegible]E+00	.102194E+01	-.262573E-01	-.218996E-01
.5653E+00	.1046E+01	.[illegible]E+00	.109252E+01	-.[illegible]E+00	-.[illegible]E-01
.5936E+00	.9984E+00	.92641[illegible]E+00	.[illegible]E+00	.[illegible]E+00	-.382193E+00
.6170E+00	.9512E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E+00	-.[illegible]E+00
.6357E+00	.9046E+00	.[illegible]E+00	.955471E-01	.770631E+00	-.718324E+00
.6553E+00	.8603E+00	.[illegible]E+00	.187767E-01	.[illegible]E+00	-.740472E+00
.6611E+00	.8153E+00	.[illegible]E+00	.210395E-02	.[illegible]E+00	-.806077E+00
.6636E+00	.7731E+00	.[illegible]E+00	.374350E-03	.[illegible]E+00	-.839[illegible]E+00
.6733E+00	.7327E+00	.[illegible]E+00	.100[illegible]E+01	.000000E+00	-.100499E+01
.6754E+00	.6942E+00	.[illegible]E+00	.100000E+01	.000000E+00	-.103247E+01
.6794E+00	.6577E+00	.[illegible]E+00	.100000E+01	.000000E+00	-.106075E+01
.6736E+00	.6231E+00	.[illegible]E+00	.100000E+01	.000000E+00	-.108977E+01
.6763E+00	.5906E+00	.[illegible]E+00	.100000E+01	.000000E+00	-.111946E+01
.6657E+00	.5600E+00	.[illegible]E+00	.100000E+01	.000000E+00	-.114978E+01
.6670E+00	.5308E+00	.[illegible]E+00	.100000E+01	.000000E+00	-.118068E+01
.6557E-01	.1277E+01	.[illegible]E+00	.[illegible]E+01	-.[illegible]E-03	-.682303E-04
.1301E+00	.1209E+01	.[illegible]E+00	.[illegible]E+01	-.671744E-03	-.559297E-03
.1927E+00	.1252E+01	.[illegible]E+00	.[illegible]E+01	-.726968E-03	-.605278E-03
.2524E+00	.1230E+01	.[illegible]E+00	.[illegible]E+01	-.[illegible]E-03	-.[illegible]E-03
.3085E+00	.1208E+01	.[illegible]E+00	.[illegible]E+01	-.157086E-02	-.130837E-02

SPHERE

$R/\lambda = 20$ $T_e/T_i = 5$ $V/C_i = 8$ $e\phi_s/KT_e = -1$

	Z/R	ρ/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
	.3603E+00	.1171E+01	.9914[illegible]E+00	.1002[illegible]E+01	-.3191381E-02	-.2656666E-02
	.4077E+00	.1136E+01	.9937[illegible]E+00	.1008[illegible]E+01	-.7650205E-02	-.5353695E-02
	.4502E+00	.1097E+01	.9955[illegible]E+00	.1017[illegible]E+01	-.2077935E-01	-.1719715E-01
	.4873E+00	.1057E+01	.9939[illegible]E+00	.1051[illegible]E+01	-.6171475E-01	-.5033505E-01
	.5206E+00	.1016E+01	.9598[illegible]E+00	.1165[illegible]E+01	-.1954735E+00	-.1530005E+00
	.5486E+00	.9726E+00	.9109[illegible]E+00	.4389915E+00	.4215505E+00	-.4695305E+00
	.5722E+00	.9299E+00	.8725[illegible]E+00	.1398745E+00	.6826925E+00	-.6815435E+00
	.5917E+00	.8877E+00	.8520[illegible]E+00	.4591695E-01	.7961545E+00	-.8004285E+00
	.6074E+00	.8460E+00	.8400[illegible]E+00	.7302725E-02	.8327875E+00	-.8712355E+00
	.6196E+00	.8055E+00	.8213[illegible]E+00	.1000000E+01	.8300000E+00	-.9840735E+00
	.6287E+00	.7662E+00	.3172[illegible]E+00	.1000000E+01	.8200000E+00	-.1008965E+01
	.6350E+00	.7284E+00	.8130[illegible]E+00	.1000000E+01	.8000000E+00	-.1034705E+01
	.6393E+00	.6922E+00	.8037[illegible]E+00	.1000000E+01	.8000000E+00	-.1061515E+01
	.6420E+00	.6577E+00	.8042[illegible]E+00	.1000000E+01	.8000000E+00	-.1088045E+01
	.6438E+00	.6248E+00	.7997[illegible]E+00	.1000000E+01	.8000000E+00	-.1117325E+01
	.6393E+00	.5935E+00	.7951[illegible]E+00	.1000000E+01	.8000000E+00	-.1146305E+01
	.6364E+00	.5641E+00	.7904[illegible]E+00	.1000000E+01	.8000000E+00	-.1175935E+01
	.6324E+00	.5362E+00	.7855[illegible]E+00	.1000000E+01	.8000000E+00	-.1205155E+01
	.5935E-01	.1217E+01	.9932[illegible]E+00	.1003715E+01	-.4447565E-02	-.3701935E-02
	.1179E+00	.1208E+01	.9895[illegible]E+00	.1003445E+01	-.4128345E-02	-.3435225E-02
	.1747E+00	.1194E+01	.9882[illegible]E+00	.1003745E+01	-.4401655E-02	-.3729075E-02
	.2292E+00	.1175E+01	.9897[illegible]E+00	.1004625E+01	-.5541065E-02	-.4608645E-02
	.2807E+00	.1151E+01	.9916[illegible]E+00	.1006945E+01	-.8204215E-02	-.6817965E-02
	.3288E+00	.1123E+01	.9876[illegible]E+00	.1012335E+01	-.1477955E-01	-.1229595E-01
	.3728E+00	.1092E+01	.9849[illegible]E+00	.1025795E+01	-.3086685E-01	-.2566065E-01
	.4130E+00	.1058E+01	.9881[illegible]E+00	.1061495E+01	-.7333865E-01	-.5966135E-01
	.4493E+00	.1022E+01	.9693[illegible]E+00	.1168475E+01	-.1961295E+00	-.1556955E+00
	.4836E+00	.9851E+00	.9171[illegible]E+00	.5227575E+00	.3944225E+00	-.4323725E+00
	.5091E+00	.9469E+00	.8763[illegible]E+00	.2817985E+00	.5946745E+00	-.6569255E+00
	.5317E+00	.9083E+00	.8438[illegible]E+00	.8386475E-01	.7650275E+00	-.8191225E+00
	.5513E+00	.8697E+00	.8347[illegible]E+00	.1291675E-01	.8213335E+00	-.9031145E+00
	.5693E+00	.8316E+00	.8198[illegible]E+00	.1000000E+01	.8000000E+00	-.9329755E+00
	.5812E+00	.7943E+00	.8161[illegible]E+00	.1000000E+01	.8000000E+00	-.1016075E+01
	.5915E+00	.7579E+00	.8121[illegible]E+00	.1000000E+01	.8000000E+00	-.1040195E+01
	.5992E+00	.7226E+00	.8061[illegible]E+00	.1000000E+01	.8000000E+00	-.1065275E+01
	.6045E+00	.6886E+00	.8039[illegible]E+00	.1000000E+01	.8000000E+00	-.1091245E+01
	.6080E+00	.6560E+00	.7996[illegible]E+00	.1000000E+01	.8000000E+00	-.1118035E+01
	.6096E+00	.6249E+00	.7952[illegible]E+00	.1000000E+01	.8000000E+00	-.1145605E+01
	.6090E+00	.5951E+00	.7907[illegible]E+00	.1000000E+01	.8000000E+00	-.1173885E+01
	.6062E+00	.5668E+00	.7851[illegible]E+00	.1000000E+01	.8000000E+00	-.1202835E+01
	.6057E+00	.5399E+00	.7815[illegible]E+00	.1000000E+01	.8000000E+00	-.1232405E+01
	.5397E-01	.1160E+01	.9964[illegible]E+00	.1017775E+01	-.2123385E-01	-.1761025E-01
	.1072E+00	.1153E+01	.9964[illegible]E+00	.1017892E+01	-.2145815E-01	-.1776215E-01
	.1552E+00	.1141E+01	.9961[illegible]E+00	.1019228E+01	-.2303815E-01	-.1907335E-01
	.2091E+00	.1124E+01	.9955[illegible]E+00	.1022535E+01	-.2697375E-01	-.2227895E-01
	.2555E+00	.1103E+01	.9935[illegible]E+00	.1030775E+01	-.3681305E-01	-.3039665E-01
	.3011E+00	.1079E+01	.9903[illegible]E+00	.1051255E+01	-.6119295E-01	-.4965775E-01
	.3423E+00	.1051E+01	.9815[illegible]E+00	.1097455E+01	-.1156815E+00	-.9299345E-01
	.3803E+00	.1021E+01	.9626[illegible]E+00	.1210335E+01	-.2473465E+00	-.1990345E+00
	.4142E+00	.9894E+00	.9123[illegible]E+00	.1320005E+00	.3350925E+00	-.4554595E+00
	.4445E+00	.9560E+00	.8716[illegible]E+00	.3660555E+00	.5055625E+00	-.6870005E+00
12	.4715E+00	.9216E+00	.8423[illegible]E+00	.1075405E+00	.7347885E+00	-.8579065E+00
11	.4943E+00	.8866E+00	.8212[illegible]E+00	.1002005E+01	.8000000E+00	-.9848865E+00
10	.5149E+00	.8515E+00	.8173[illegible]E+00	.1000005E+01	.8000000E+00	-.1004995E+01
9	.5317E+00	.8166E+00	.8144[illegible]E+00	.1000005E+01	.8000000E+00	-.1026265E+01
8	.5457E+00	.7821E+00	.8103[illegible]E+00	.1000005E+01	.8000000E+00	-.1048625E+01
7	.5569E+00	.7483E+00	.8076[illegible]E+00	.1000005E+01	.8000000E+00	-.1072015E+01
6	.5657E+00	.7156E+00	.8031[illegible]E+00	.1000005E+01	.8000000E+00	-.1096365E+01
5	.5723E+00	.6838E+00	.7990[illegible]E+00	.1000005E+01	.8000000E+00	-.1121615E+01
4	.5770E+00	.6529E+00	.7949[illegible]E+00	.1000005E+01	.8000000E+00	-.1147695E+01
3						

SPHERE

$R/\lambda = 20$ $\quad T_e/T_i = 5$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -1$

Z/R	ρ/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.5799E+00	.6234E+00	.7936[illegible]E+00	.1000[illegible]E+01	.0000[illegible]E+00	-.117456E+01
.5812E+00	.5951E+00	.7882[illegible]E+00	.1000[illegible]E+01	.0000[illegible]E+00	-.120216E+01
.5812E+00	.5650E+00	.7818[illegible]E+00	.1000[illegible]E+01	.0000[illegible]E+00	-.123045E+01
.5831E+00	.5422E+00	.7773[illegible]E+00	.1000[illegible]E+01	.0000[illegible]E+00	-.125936E+01
.4229E-01	.1109E+01	.9852[illegible]E+00	.1076[illegible]E+01	-.9166[illegible]E-01	-.741329E-01
.9769E-01	.1102E+01	.9845[illegible]E+00	.1081[illegible]E+01	-.9669[illegible]E-01	-.780662E-01
.1456E+00	.1092E+01	.9836[illegible]E+00	.1085[illegible]E+01	-.1021[illegible]E+00	-.823083E-01
.1915E+00	.1077E+01	.9819[illegible]E+00	.1095[illegible]E+01	-.1132[illegible]E+00	-.909287E-01
.2359E+00	.1056E+01	.9773[illegible]E+00	.1122[illegible]E+01	-.1434[illegible]E+00	-.114419E+00
.2786E+00	.1037E+01	.9543[illegible]E+00	.1195[illegible]E+01	-.2311[illegible]E+00	-.178967E+00
.3152E+00	.1013E+01	.9399[illegible]E+00	.1362[illegible]E+01	-.4223[illegible]E+00	-.309551E+00
.3507E+00	.9864E+00	.8858[illegible]E+00	.6523[illegible]E+00	.2426[illegible]E+00	-.550082E+00
.3631E+00	.9579E+00	.8535[illegible]E+00	.3821[illegible]E+00	.4764[illegible]E+00	-.762644E+00
.4124E+00	.9273E+00	.8212[illegible]E+00	.1000[illegible]E+01	.0000[illegible]E+00	-.984886E+00
.4334E+00	.8968E+00	.8134[illegible]E+00	.1000[illegible]E+01	.0000[illegible]E+00	-.100180E+01
.4519E+00	.8551E+00	.8154[illegible]E+00	.1000[illegible]E+01	.0000[illegible]E+00	-.102000E+01
.4813E+00	.8326E+00	.8124[illegible]E+00	.1000[illegible]E+01	.0000[illegible]E+00	-.103942E+01
.4934E+00	.8011E+00	.8038[illegible]E+00	.1000[illegible]E+01	.0000[illegible]E+00	-.106000E+01
.5178E+00	.7692E+00	.8054[illegible]E+00	.1000[illegible]E+01	.0000[illegible]E+00	-.108167E+01
.5249E+00	.7370E+00	.8015[illegible]E+00	.1000[illegible]E+01	.0000[illegible]E+00	-.110435E+01
.5344E+00	.7073E+00	.7980[illegible]E+00	.1000[illegible]E+01	.0000[illegible]E+00	-.112801E+01
.5420E+00	.6775E+00	.7941[illegible]E+00	.1000[illegible]E+01	.0000[illegible]E+00	-.115256E+01
.5477E+00	.6486E+00	.7901[illegible]E+00	.1000[illegible]E+01	.0000[illegible]E+00	-.117796E+01
.5517E+00	.6207E+00	.7859[illegible]E+00	.1000[illegible]E+01	.0000[illegible]E+00	-.120416E+01
.5542E+00	.5938E+00	.7817[illegible]E+00	.1000[illegible]E+01	.0000[illegible]E+00	-.123110E+01
.5554E+00	.5681E+00	.7774[illegible]E+00	.1000[illegible]E+01	.0000[illegible]E+00	-.125873E+01
.5554E+00	.5433E+00	.7730[illegible]E+00	.1000[illegible]E+01	.0000[illegible]E+00	-.128701E+01

SPHERE

$R/\lambda = 5$ $\quad T_e/T_i = 1$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -1$

	Z/R	ρ/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
	.2000E+02	.1000E+02	.999977E+00	.999771E+00	.424839E-05	-.244083E-04
	.1176E+02	.2941E+01	.980156E+00	.991163E+00	-.105231E-02	-.986272E-02
	.8102E+01	.1351E+01	.925664E+00	.919288E+00	-.113903E-01	-.957903E-01
	.6194E+01	.7652E+00	.823931E+00	.620244E+00	-.122264E-02	-.449282E+00
	.4950E+01	.4950E+00	.427644E+00	.356495E+00	.747279E-01	-.844208E+00
	.4153E+01	.3446E+00	.317752E+00	.140559E+00	.177624E+00	-.114644E+01
	.3393E+01	.2539E+00	.238649E+00	.530472E-01	.247062E+00	-.123908E+01
	.3113E+01	.1946E+00	.185721E+00	.178932E-01	.293075E+00	-.116438E+01
	.2709E+01	.1538E+00	.357078E+00	.322367E-02	.354612E+00	-.102729E+01
	.2434E+01	.1247E+00	.429826E+00	.564374E-03	.429271E+00	-.844339E+00
	.2268E+01	.1031E+00	.504129E+00	.899738E-04	.503056E+00	-.677001E+00
	.2037E+01	.8506E-01	.584159E+00	.144866E-04	.584166E+00	-.537520E+00
	.1929E+01	.7388E-01	.632820E+00	.269790E-05	.632221E+00	-.425860E+00
12	.1783E+01	.6360E-01	.713103E+00	.380963E-06	.713217E+00	-.338092E+00
11	.1655E+01	.5549E-01	.768352E+00	.576115E-07	.768376E+00	-.269382E+00
10	.1561E+01	.4837E-01	.809319E+00	.960308E-08	.809721E+00	-.215777E+00
9	.1459E+01	.4322E-01	.844375E+00	.223445E-08	.844315E+00	-.174264E+00
8	.1358E+01	.3858E-01	.876394E+00	.382279E-09	.876015E+00	-.141085E+00
7	.1315E+01	.3460E-01	.896767E+00	.436014E-09	.896800E+00	-.116898E+00
6	.1249E+01	.3126E-01	.920751E+00	.191165E-09	.920325E+00	-.990907E-01
5	.1180E+01	.2838E-01	.942195E+00	.105417E-09	.941952E+00	-.919205E-01
4	.1135E+01	.2556E-01	.956335E+00	.222824E-09	.956930E+00	-.142984E+00
3						

SPHERE

$R/\lambda = 5$ $T_e/T_i = 1$ $V/C_i = 8$ $e\phi_s/KT_e = -1$

Z/R	ρ/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.1036E+01	.2362E-01	.827312E+00	.225511E-09	.827494E+00	-.189573E+00
.7632E+01	.1164E+02	.100000E+01	.100000E+01	-.506639E-06	-.226026E-06
[illegible]	.6000E+01	.100000E+01	.100000E+01	-.576629E-06	-.216722E-06
.6657E+01	.3333E+01	.999998E+00	.100000E+01	-.319935E-05	-.151234E-05
.5474E+01	.2066E+01	.999986E+00	.100006E+01	-.126429E-03	-.617670E-04
.4557E+01	.1376E+01	.994473E+00	.100556E+01	-.111143E-01	-.554219E-02
.3222E+01	.9204E+00	.742751E+00	.631187E+00	.111125E-01	-.297381E+00
.3415E+01	.7517E+00	.552554E+00	.324679E+00	.227571E+00	-.575304E+00
.3019E+01	.5660E+00	.512075E+00	.979844E-01	.414584E+00	-.667529E+00
.2733E+01	.4505E+00	.550827E+00	.195672E-01	.531226E+00	-.596335E+00
.2445E+01	.3647E+00	.617335E+00	.330039E-02	.614524E+00	-.481534E+00
.2231E+01	.3043E+00	.685555E+00	.483099E-03	.685069E+00	-.376360E+00
.2051E+01	.2564E+00	.746818E+00	.603029E-04	.746758E+00	-.291933E+00
.1894E+01	.2192E+00	.797043E+00	.321527E-05	.797040E+00	-.226840E+00
.1755E+01	.1392E+00	.837572E+00	.102317E-05	.837566E+00	-.177248E+00
.1650E+01	.1656E+00	.869777E+00	.121234E-05	.869776E+00	-.139528E+00
.1549E+01	.1452E+00	.895158E+00	.143666E-07	.895164E+00	-.110754E+00
.1439E+01	.1288E+00	.915132E+00	.172711E-08	.915132E+00	-.886866E-01
.1379E+01	.1149E+00	.930833E+00	.578425E-09	.930826E+00	-.716749E-01
.1306E+01	.1032E+00	.943096E+00	.137307E-09	.943092E+00	-.585875E-01
.1243E+01	.9323E-01	.952265E+00	.245518E-09	.952252E+00	-.488295E-01
.1184E+01	.8460E-01	.957232E+00	.761272E-10	.957237E+00	-.437096E-01
.1131E+01	.7712E-01	.952053E+00	.727557E-10	.952054E+00	-.491346E-01
.1032E+01	.7059E-01	.912749E+00	.756797E-10	.912748E+00	-.912938E-01
.2448E+01	.8621E+01	.100000E+01	.100000E+01	-.208616E-06	-.987503E-07
.4673E+01	.6096E+01	.100000E+01	.100000E+01	-.149012E-06	-.674615E-07
.4919E+01	.4000E+01	.100000E+01	.100000E+01	-.894070E-07	-.351142E-07
.4494E+01	.2000E+01	.100000E+01	.100000E+01	-.653102E-06	-.325379E-06
.4000E+01	.2000E+01	.999977E+00	.100002E+01	-.454856E-04	-.226775E-04
.3559E+01	.1475E+01	.997111E+00	.100089E+01	-.177017E-02	-.880699E-03
.3167E+01	.1131E+01	.981197E+00	.101916E+01	-.378665E-01	-.189815E-01
.2347E+01	.3697E+00	.742165E+00	.494896E+00	.247271E+00	-.298130E+00
.2579E+01	.7163E+00	.652628E+00	.169893E+00	.482937E+00	-.426441E+00
.2353E+01	.5822E+00	.661366E+00	.413072E-01	.620060E+00	-.413445E+00
.2161E+01	.4912E+00	.709466E+00	.610047E-02	.703365E+00	-.347476E+00
.1957E+01	.4163E+00	.757021E+00	.105210E-02	.755968E+00	-.277176E+00
.1854E+01	.3566E+00	.804051E+00	.121476E-03	.803939E+00	-.218080E+00
.1731E+01	.3090E+00	.842342E+00	.144429E-04	.842321E+00	-.171569E+00
.1622E+01	.2703E+00	.873118E+00	.171337E-05	.873119E+00	-.135684E+00
.1525E+01	.2383E+00	.897541E+00	.154574E-06	.897554E+00	-.108096E+00
.1434E+01	.2117E+00	.916843E+00	.193125E-07	.916842E+00	-.868190E-01
.1363E+01	.1893E+00	.932375E+00	.239602E-08	.932355E+00	-.703442E-01
.1293E+01	.1702E+00	.943974E+00	.422014E-09	.943985E+00	-.576359E-01
.1231E+01	.1538E+00	.952395E+00	.229605E-09	.952396E+00	-.482616E-01
.1174E+01	.1397E+00	.957644E+00	.790475E-10	.957658E+00	-.432797E-01
.1122E+01	.1275E+00	.952142E+00	.752083E-10	.952192E+00	-.438834E-01
.1074E+01	.1168E+00	.912637E+00	.757551E-10	.912381E+00	-.916907E-01
.1337E+01	.6664E+01	.100000E+01	.100000E+01	-.894070E-07	-.328898E-07
.3077E+01	.5385E+01	.100000E+01	.100000E+01	-.298023E-07	-.252292E-07
.3529E+01	.4118E+01	.100000E+01	.100000E+01	-.298023E-07	-.142892E-07
.3349E+01	.3097E+01	.100000E+01	.100000E+01	-.125660E-06	-.678165E-07
.3336E+01	.2349E+01	.999997E+00	.100000E+01	-.587106E-05	-.296314E-05
.3109E+01	.1613E+01	.999824E+00	.100000E+01	-.175564E-03	-.879396E-04
.2857E+01	.1429E+01	.996597E+00	.100171E+01	-.340715E-02	-.170397E-02
.2623E+01	.1142E+01	.977111E+00	.102322E+01	-.455653E-01	-.229806E-01
.2413E+01	.9363E+00	[illegible]	.494755E+00	.338768E+00	-.230012E+00
.2227E+01	.7756E+00	[illegible]	[illegible]	.545394E+00	-.303053E+00
.2054E+01	.6567E+00	[illegible]	[illegible]	[illegible]	-.297016E+00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
.1776E+01	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SPHERE

$R/\lambda = 5$ $\quad T_e/T_i = 1$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -1$

	Z/R	ρ/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
	.1[illegible]E+01	.42[illegible]E+00	.[illegible]E+01	.124162E-03	.[illegible]E+01	-.163534E+00
	.1[illegible]E+01	.[illegible]E+00	.[illegible]E+00	.142065E-04	.877761E+00	-.1[illegible]E+00
	.1401E+01	.32[illegible]E+00	.[illegible]E+01	.153735E-05	.[illegible]E+01	-.104454E+00
	.1411E+01	.29[illegible]E+00	.[illegible]E+00	.149754E-06	.[illegible]E+00	-.842912E-01
	.1[illegible]E+01	.28[illegible]E+00	.[illegible]E+00	.155[illegible]E-07	.[illegible]E+00	-.685582E-01
	.1275E+01	.2444E+00	.[illegible]E+00	.165821E-08	.[illegible]E+00	-.564749E-01
	.1213E+01	.2122E+00	.[illegible]E+00	.360737E-09	.[illegible]E+00	-.473877E-01
	.1153E+01	.1931E+00	.[illegible]E+00	.210[illegible]E-09	.[illegible]E+00	-.427531E-01
	.1103E+01	.17[illegible]E+00	.[illegible]E+00	.760497E-10	.952258E+00	-.489229E-01
	.1052E+01	.1617E+00	.9116[illegible]E+00	.733272E-10	.9116[illegible]E+00	-.925132E-01
	.1176E+01	.5294E+01	.[illegible]E+01	.100[illegible]E+01	-.[illegible]E-08	-.379116E-08
	.2[illegible]E+01	.4[illegible]E+01	.1[illegible]E+01	.100[illegible]E+01	-.[illegible]E-08	-.[illegible]E-08
	.2564E+01	.3946E+01	.1[illegible]E+01	.100[illegible]E+01	-.[illegible]E-08	-.747997E-08
	.2[illegible]E+01	.3[illegible]E+01	.1[illegible]E+01	.100[illegible]E+01	-.[illegible]E-07	-.264790E-07
	.2732E+01	.2486E+01	.[illegible]E+00	.100[illegible]E+01	-.151692E-05	-.757699E-06
	.2[illegible]E+01	.2000E+01	.[illegible]E+00	.100[illegible]E+01	-.[illegible]E-04	-.160335E-04
	.2527E+01	.1626E+01	.[illegible]E+00	.100[illegible]E+01	-.485405E-03	-.242745E-03
	.2374E+01	.1385E+01	.[illegible]E+00	.100[illegible]E+01	-.[illegible]E-02	-.[illegible]E-02
	.2222E+01	.1111E+01	.[illegible]E+00	.[illegible]E+01	-.[illegible]E-01	-.241346E-01
	.2[illegible]E+01	.9356E+00	.[illegible]E+00	.420[illegible]E+01	.[illegible]E+00	-.174456E+00
	.1947E+01	.7965E+00	.[illegible]E+00	.159758E+00	.[illegible]E+00	-.226367E+00
	.1[illegible]E+01	.[illegible]E+00	.[illegible]E+00	.[illegible]E-01	.[illegible]E+00	-.[illegible]E+00
	.1717E+01	.5549E+00	.[illegible]E+00	.[illegible]E-02	.[illegible]E+00	-.[illegible]E+00
	.1615E+01	.5282E+00	.[illegible]E+00	.815077E-03	.[illegible]E+00	-.153164E+00
	.1524E+01	.[illegible]E+00	.[illegible]E+00	.[illegible]E-04	.[illegible]E+00	-.123666E+00
	.1449E+01	.[illegible]E+00	.[illegible]E+00	.[illegible]E-05	.[illegible]E+00	-.[illegible]E-01
	.1374E+01	.3639E+00	.[illegible]E+00	.[illegible]E-06	.[illegible]E+00	-.[illegible]E-01
	.1307E+01	.3268E+00	.[illegible]E+00	.505[illegible]E-07	.[illegible]E+00	-.563274E-01
	.1246E+01	.[illegible]E+00	.[illegible]E+00	.[illegible]E-08	.[illegible]E+00	-.548208E-01
	.1190E+01	.2677E+00	.[illegible]E+00	.[illegible]E-09	.[illegible]E+00	-.[illegible]E-01
	.1139E+01	.2438E+00	.[illegible]E+00	.283494E-09	.[illegible]E+00	-.425590E-01
	.1091E+01	.2231E+00	.[illegible]E+00	.199547E-09	.[illegible]E+00	-.502317E-01
	.1047E+01	.2048E+00	.[illegible]E+00	.[illegible]E-10	.[illegible]E+00	-.972168E-01
	.[illegible]E+00	.[illegible]E+01	.1[illegible]E+01	.100[illegible]E+01	-.[illegible]E-08	-.[illegible]E-08
	.1450E+01	.[illegible]E+01	.1[illegible]E+01	.100[illegible]E+01	-.[illegible]E-08	-.412039E-08
	.1911E+01	.3[illegible]E+01	.1[illegible]E+01	.100[illegible]E+01	-.[illegible]E-08	-.[illegible]E-08
	.2162E+01	.2[illegible]E+01	.1[illegible]E+01	.100[illegible]E+01	-.[illegible]E-07	-.185542E-07
	.2252E+01	.2[illegible]E+01	.1[illegible]E+01	.100[illegible]E+01	-.[illegible]E-06	-.[illegible]E-06
	.2264E+01	.2075E+01	.[illegible]E+00	.100[illegible]E+01	-.[illegible]E-05	-.444923E-05
	.2203E+01	.1735E+01	.[illegible]E+00	.100[illegible]E+01	-.[illegible]E-03	-.525889E-04
	.2122E+01	.1[illegible]E+01	.[illegible]E+00	.100[illegible]E+01	-.[illegible]E-03	-.494107E-03
	.2022E+01	.1[illegible]E+01	.[illegible]E+00	.100[illegible]E+01	-.762[illegible]E-02	-.[illegible]E-02
	.1919E+01	.1[illegible]E+01	.[illegible]E+00	.102[illegible]E+01	-.[illegible]E-01	-.[illegible]E-01
	.1819E+01	.[illegible]E+00	.[illegible]E+00	.336[illegible]E+01	.[illegible]E+00	-.144[illegible]E+00
	.1722E+01	.7[illegible]E+00	.[illegible]E+00	.868172E-01	.750151E+00	-.177071E+00
	.1[illegible]E+01	.[illegible]E+00	.[illegible]E+00	.210423E-01	.[illegible]E+00	-.165371E+00
	.1547E+01	.6077E+00	.[illegible]E+00	.305[illegible]E-02	.[illegible]E+00	-.140381E+00
	.1[illegible]E+01	.5387E+00	.[illegible]E+00	.40[illegible]E-02	.[illegible]E+00	-.[illegible]E+00
	.1397E+01	.4[illegible]E+00	.[illegible]E+01	.393322E-04	.[illegible]E+00	-.[illegible]E-01
	.1331E+01	.[illegible]E+00	.[illegible]E+00	.440[illegible]E-05	.[illegible]E+01	-.[illegible]E-01
	.1270E+01	.[illegible]E+00	.[illegible]E+00	.[illegible]E-04	.[illegible]E+00	-.[illegible]E-01
12	.1214E+01	.[illegible]E+00	.[illegible]E+00	.[illegible]E-04	.[illegible]E+00	-.[illegible]E-01
11	.1162E+01	.[illegible]E+00	.[illegible]E+00	.[illegible]E-03	.[illegible]E+00	-.[illegible]E-01
10	.1114E+01	.[illegible]E+00	.[illegible]E+00	.[illegible]E-03	.[illegible]E+00	-.[illegible]E-01
9	.1070E+01	.[illegible]E+00	.[illegible]E+00	.[illegible]E-03	.[illegible]E+00	-.[illegible]E-01
8	.1029E+01	.[illegible]E+00	.[illegible]E+00	.[illegible]E-03	.[illegible]E+00	-.[illegible]E+00
7	.[illegible]E+00	.[illegible]E+01	.1[illegible]E+01	.1[illegible]E+01	-.[illegible]E-08	-.[illegible]E-09
6	.1[illegible]E+01	.[illegible]E+01	.1[illegible]E+01	.1[illegible]E+01	-.[illegible]E-08	-.[illegible]E-08
5	.1[illegible]E+01	.[illegible]E+01	.1[illegible]E+01	.1[illegible]E+01	-.[illegible]E-09	-.[illegible]E-09
4	.1717E+01	.[illegible]E+01	.1[illegible]E+01	.1[illegible]E+01	-.[illegible]E-07	-.[illegible]E-07
3						

SPHERE

$R/\lambda = 5$ $\quad T_e/T_i = 1$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -1$

	Z/R	ρ/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
	.1952E+01	.2416E+01	.1000000E+01	.1000000E+01	-.3611125E-06	-.4753901E-05
	.1917E+01	.2377E+01	.9999951E+00	.1000001E+01	-.1017477E-04	-.2496580E-05
	.1913E+01	.1761E+01	.9999657E+00	.1000065E+01	-.1009825E-03	-.5254566E-04
	.1852E+01	.1529E+01	.9999699E+00	.1000479E+01	-.8826665E-03	-.4513191E-03
	.1826E+01	.1318E+01	.9996906E+00	.1004004E+01	-.6075906E-02	-.3038409E-02
	.1757E+01	.1142E+01	.9912329E+00	.1019136E+01	-.3786554E-01	-.1894616E-01
	.1685E+01	.9954E+00	.8725959E+00	.4478427E+00	.4506511E+00	-.1069955E+00
	.1611E+01	.8725E+00	.2077341E+00	.2012867E+00	.6064918E+00	-.1418136E+00
	.1556E+01	.7692E+00	.8661388E+00	.5399057E-01	.8122048E+00	-.1436426E+00
	.1469E+01	.6821E+00	.8901167E+00	.9011362E-02	.8710056E+00	-.1277086E+00
	.1405E+01	.6026E+00	.8998605E+00	.1407656E-02	.8984259E+00	-.1075096E+00
	.1341E+01	.5448E+00	.9148511E+00	.1422115E-03	.9134716E+00	-.8808356E-01
	.1283E+01	.4966E+00	.9291951E+00	.1513246E-04	.9279109E+00	-.7352926E-01
	.1229E+01	.4427E+00	.9407181E+00	.1373446E-05	.9406761E+00	-.6112206E-01
	.1178E+01	.4063E+00	.9495322E+00	.1235865E-06	.9494060E+00	-.5131756E-01
	.1131E+01	.3674E+00	.9549615E+00	.1094236E-07	.9548057E+00	-.4702806E-01
	.1090E+01	.3363E+00	.9478584E+00	.1156498E-08	.9478459E+00	-.5356386E-01
	.1045E+01	.3058E+00	.9334195E+00	.2974976E-04	.9306422E+00	-.9825406E-01
	.1007E+01	.2545E+00	.7561428E+00	.2413138E-03	.7537144E+00	-.2835026E+00
	.4357E+00	.3275E+01	.1000000E+01	.1000000E+01	-.7450588E-08	-.1147116E-07
	.6299E+00	.3112E+01	.1000000E+01	.1000000E+01	.7450588E-08	-.2344596E-08
	.1149E+01	.2574E+01	.1000000E+01	.1000000E+01	-.7450588E-08	-.1188546E-08
	.1334E+01	.2565E+01	.1000000E+01	.1000000E+01	-.6705522E-07	-.2759006E-07
	.1538E+01	.2305E+01	.1000000E+01	.1000000E+01	-.5438232E-06	-.2746376E-06
	.1626E+01	.2035E+01	.9999988E+00	.1000000E+01	-.4954646E-05	-.2412796E-05
	.1663E+01	.1761E+01	.9999511E+00	.1000003E+01	-.3737966E-04	-.1867606E-04
	.1653E+01	.1559E+01	.9998715E+00	.1000013E+01	-.2532186E-03	-.1275016E-03
	.1639E+01	.1306E+01	.9984237E+00	.1000176E+01	-.1536485E-02	-.7632256E-03
	.1600E+01	.1200E+01	.9958444E+00	.1002413E+01	-.8240916E-02	-.4119146E-02
	.1551E+01	.1058E+01	.9790128E+00	.1022643E+01	-.4043066E-01	-.2022076E-01
	.1493E+01	.9363E+00	.9128305E+00	.1068219E+01	-.1549225E+00	-.9119566E-01
	.1443E+01	.8324E+00	.8286038E+00	.1161055E+01	-.3325597E+00	-.1169126E+00
	.1398E+01	.7433E+00	.8033722E+00	.1228047E+01	-.4250473E+00	-.1127526E+00
	.1333E+01	.6667E+00	.8062226E+00	.1325469E+01	-.5262982E+00	-.9846706E-01
	.1281E+01	.6065E+00	.8203629E+00	.1406625E+01	-.5869418E+00	-.8302398E-01
	.1231E+01	.5451E+00	.8329606E+00	.1433814E+01	-.6008014E+00	-.6938606E-01
	.1183E+01	.4931E+00	.8433854E+00	.1450681E+01	-.6073615E+00	-.5828176E-01
	.1135E+01	.4454E+00	.8511996E+00	.1461044E+01	-.6101081E+00	-.5014766E-01
	.1096E+01	.4110E+00	.8554654E+00	.1468272E+01	-.6113074E+00	-.4702446E-01
	.1055E+01	.3771E+00	.8594558E+00	.1480477E+01	-.6144576E+00	-.5703936E-01
	.1018E+01	.3471E+00	.8626159E+00	.1510956E+01	-.6237140E+00	-.1096616E+00
	.9625E+00	.3204E+00	.7348655E+00	.1275670E+01	-.5427851E+00	-.3098826E+00
	.9413E+00	.2901E+01	.1000000E+01	.1000000E+01	-.1862655E-06	-.9852436E-07
	.8557E+00	.2777E+01	.1000000E+01	.1000000E+01	-.2793724E-07	-.1591926E-07
	.9231E+00	.2613E+01	.1000000E+01	.1000000E+01	-.7450588E-08	-.1332666E-07
	.1133E+01	.2460E+01	.1000000E+01	.1000000E+01	-.1256660E-06	-.3483306E-07
	.1255E+01	.2185E+01	.1000000E+01	.1000000E+01	-.5662445E-06	-.3706275E-06
	.1386E+01	.1963E+01	.9999975E+00	.1000000E+01	-.2527501E-05	-.2700526E-05
	.1443E+01	.1753E+01	.9999338E+00	.1000002E+01	-.6590118E-04	-.1690466E-04
	.1468E+01	.1561E+01	.9999722E+00	.1000011E+01	-.2105536E-03	-.1075806E-03
	.1498E+01	.1387E+01	.9998066E+00	.1000060E+01	-.1209356E-02	-.6046716E-03
12	.1491E+01	.1234E+01	.9993578E+00	.1000317E+01	-.6346534E-02	-.3163086E-02
11	.1428E+01	.1100E+01	.9984405E+00	.1001673E+01	-.3183282E-01	-.1590161E-01
10	.1387E+01	.9817E+00	.9229401E+00	.4159111E+00	.5170536E+00	-.7360396E-01
9	.1347E+01	.8805E+00	.9086721E+00	.1002365E+01	.7375640E+00	-.9785298E-01
8	.1305E+01	.7922E+00	.8992794E+00	.4512181E-01	.9541702E+00	-.9955021E-01
7	.1262E+01	.7129E+00	.9014621E+00	.6071956E-02	.9075931E+00	-.1388496E-01
6	.1219E+01	.6417E+00	.9257411E+00	.1095421E-02	.9247456E+00	-.7716111E-01
5	.1174E+01	.5802E+00	.9360745E+00	.3411511E-03	.9356830E+00	-.6564145E-01
4	.1136E+01	.5363E+00	.9455701E+00	.9445691E-04	.9454563E+00	-.5607663E-01
3						

SPHERE

$R/\lambda = 5$ $T_e/T_i = 1$ $V/C_i = 8$ $e\phi_s/KT_e = -1$

Z/R	ρ/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.1296E+01	.4998E+00	.950257E+00	.633935E-06	.951262E+00	-.510228E-01
.1259E+01	.4500E+00	.944395E+00	.697935E-07	.944392E+00	-.572105E-01
.1023E+01	.4149E+00	.903687E+00	.678677E-13	.903639E+00	-.101272E+00
.9333E+00	.3570E+00	.752956E+00	.116325E-03	.752956E+00	-.233749E+00
.9553E+00	.5534E+00	.375935E+00	.100000E+01	.000000E+00	-.990816E+00
.2740E+00	.2600E+01	.999979E+00	.100000E+01	-.179559E-05	-.897436E-06
.5330E+00	.2520E+01	.100000E+01	.100000E+01	-.245369E-06	-.168331E-06
.7557E+00	.2393E+01	.100000E+01	.100000E+01	-.305474E-06	.713616E-07
.9412E+00	.2225E+01	.100000E+01	.100000E+01	.727706E-06	-.340203E-06
.1035E+01	.2061E+01	.100000E+01	.100000E+01	-.135519E-05	-.393340E-07
.1139E+01	.1881E+01	.100000E+01	.100002E+01	-.470817E-05	-.379999E-06
.1257E+01	.1706E+01	.999989E+00	.100001E+01	-.801632E-05	-.113019E-04
.1297E+01	.1540E+01	.999951E+00	.100005E+01	-.972450E-04	-.485781E-04
.1314E+01	.1370E+01	.999700E+00	.100022E+01	-.477456E-03	-.220416E-03
.1314E+01	.1240E+01	.998962E+00	.100104E+01	-.207463E-02	-.103841E-02
.1302E+01	.1124E+01	.995517E+00	.100450E+01	-.793527E-02	-.449352E-02
.1281E+01	.1014E+01	.982010E+00	.101832E+01	-.362782E-01	-.191539E-01
.1254E+01	.9161E+00	.933359E+00	.272307E+00	.660537E+00	-.689650E-01
.1223E+01	.8297E+00	.918732E+00	.567170E-01	.861095E+00	-.847713E-01
.1190E+01	.7534E+00	.922272E+00	.115090E-01	.910742E+00	-.809149E-01
.1155E+01	.6854E+00	.931153E+00	.173310E-02	.929461E+00	-.713320E-01
.1121E+01	.6262E+00	.942415E+00	.176096E-03	.942241E+00	-.614360E-01
.1086E+01	.5735E+00	.947331E+00	.176987E-04	.947395E+00	-.554732E-01
.1055E+01	.5263E+00	.951268E+00	.157303E-05	.951245E+00	-.499593E-01
.1020E+01	.4844E+00	.942956E+00	.132519E-06	.942955E+00	-.587361E-01
.9962E+00	.4471E+00	.937623E+00	.117249E-07	.937634E+00	-.108006E+00
.9578E+00	.4136E+00	.741435E+00	.144695E-08	.741438E+00	-.259168E+00
.9235E+00	.3835E+00	.359530E+00	.100000E+01	.000000E+00	-.995389E+00
.2247E+00	.2360E+01	.999994E+00	.100001E+01	-.112131E-04	-.563464E-05
.4376E+00	.2293E+01	.999995E+00	.100000E+01	-.250230E-05	-.986400E-06
.6239E+00	.2201E+01	.999998E+00	.100000E+01	.297768E-05	-.191671E-05
.7921E+00	.2079E+01	.100000E+01	.999996E+00	-.130699E-04	.427682E-05
.9242E+00	.1941E+01	.999996E+00	.100000E+01	.213459E-04	-.445964E-05
.1026E+01	.1795E+01	.999994E+00	.100001E+01	-.963010E-05	-.603579E-05
.1099E+01	.1648E+01	.100000E+01	.999998E+00	-.430076E-04	.177802E-05
.1148E+01	.1506E+01	.999951E+00	.100004E+01	-.567138E-04	-.390636E-04
.1176E+01	.1373E+01	.999805E+00	.100020E+01	-.349171E-03	-.195078E-03
.1139E+01	.1249E+01	.999170E+00	.100083E+01	-.166932E-02	-.830504E-03
.1139E+01	.1135E+01	.996474E+00	.100354E+01	-.708936E-02	-.353181E-02
.1130E+01	.1032E+01	.935445E+00	.101477E+01	-.292995E-01	-.146615E-01
.1164E+01	.9405E+00	.942510E+00	.301550E+00	.640963E+00	-.592091E-01
.1143E+01	.8571E+00	.927457E+00	.744330E-01	.852924E+00	-.752983E-01
.1119E+01	.7830E+00	.928980E+00	.164635E-01	.912457E+00	-.737887E-01
.1092E+01	.7167E+00	.935354E+00	.260470E-02	.933340E+00	-.661286E-01
.1064E+01	.6575E+00	.943695E+00	.265772E-03	.943430E+00	-.579527E-01
.1036E+01	.6045E+00	.949553E+00	.265022E-04	.949544E+00	-.517312E-01
.1008E+01	.5570E+00	.950213E+00	.257610E-05	.950204E+00	-.510696E-01
.9739E+00	.5145E+00	.935944E+00	.213129E-06	.936012E+00	-.561457E-01
.9524E+00	.4762E+00	.878520E+00	.189648E-07	.878539E+00	-.129516E+00
.9235E+00	.4417E+00	.703595E+00	.230056E-08	.703591E+00	-.343074E+00
.8935E+00	.4106E+00	.367338E+00	.100000E+01	.000000E+00	-.101134E+01
.1976E+00	.2159E+01	.999960E+00	.100007E+01	-.465406E-04	-.324257E-04
.3673E+00	.2110E+01	.100000E+01	.100000E+01	-.279248E-04	-.199231E-05
.5310E+00	.2035E+01	.100000E+01	.999999E+00	-.134070E-07	.114364E-05
.6745E+00	.1939E+01	.999990E+00	.100001E+01	.340641E-04	-.118586E-04
.7949E+00	.1828E+01	.100000E+01	.999996E+00	-.424683E-04	.139031E-05
.8815E+00	.1709E+01	.100001E+01	.999999E+00	-.330735E-04	.115128E-04
.9655E+00	.1585E+01	.999958E+00	.100001E+01	.116637E-04	-.716138E-05
.1010E+01	.1465E+01	[illegible]	.100000E+01	-.521019E-04	-.580943E-04
.1039E+01	.1348E+01	.999767E+00	.100021E+01	-.394711E-03	-.213352E-03

SPHERE

$R/\lambda = 5$ $\quad T_e/T_i = 1$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -1$

Z/R	ρ/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.1[illegible]E+01	.123[illegible]E+01	.[illegible]E+00	.[illegible]E+01	-.[illegible]E-02	-.[illegible]E-03
.1[illegible]E+01	.11[illegible]E+01	.[illegible]E+00	.[illegible]E+01	-.[illegible]E-02	-.[illegible]E-02
.1[illegible]E+01	.104[illegible]E+01	.[illegible]E+00	.[illegible]E+01	-.[illegible]E-01	-.[illegible]E-01
.1[illegible]E+01	.[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E+00	-.[illegible]E-01
.1[illegible]E+01	.[illegible]E+00	.[illegible]E+00	.[illegible]E-01	.[illegible]E+00	-.[illegible]E-01
.1[illegible]E+01	.[illegible]E+00	.[illegible]E+00	.[illegible]E-01	.[illegible]E+00	-.[illegible]E-01
.1[illegible]E+01	.[illegible]E+00	.[illegible]E+00	.[illegible]E-02	.[illegible]E+00	-.[illegible]E-01
.1[illegible]E+01	.[illegible]E+00	.[illegible]E+00	.[illegible]E-03	.[illegible]E+00	-.[illegible]E-01
.[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E-04	.[illegible]E+00	-.[illegible]E-01
.9[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E-05	.[illegible]E+00	-.[illegible]E-01
.9[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E-06	.[illegible]E+00	-.[illegible]E-01
.9[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E-07	.[illegible]E+00	-.[illegible]E-01
.9[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E-08	.[illegible]E+00	-.[illegible]E-01
.9[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E-09	.[illegible]E+00	-.[illegible]E-01
.9[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E-10	.[illegible]E+00	-.[illegible]E-01
.9[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E-11	.[illegible]E+00	-.[illegible]E-01
.9[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E-12	.[illegible]E+00	-.[illegible]E-01
.9[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E-13	.[illegible]E+00	-.[illegible]E-01
.9[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E-14	.[illegible]E+00	-.[illegible]E-01
.9[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E-15	.[illegible]E+00	-.[illegible]E-01
.9[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E-16	.[illegible]E+00	-.[illegible]E-01
.9[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E-17	.[illegible]E+00	-.[illegible]E-01
.9[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E-18	.[illegible]E+00	-.[illegible]E-01
.9[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E-19	.[illegible]E+00	-.[illegible]E-01
.9[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E-20	.[illegible]E+00	-.[illegible]E-01
.9[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E-21	.[illegible]E+00	-.[illegible]E-01
.9[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E-22	.[illegible]E+00	-.[illegible]E-01
.9[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E-23	.[illegible]E+00	-.[illegible]E-01
.9[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E-24	.[illegible]E+00	-.[illegible]E-01
.9[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E-25	.[illegible]E+00	-.[illegible]E-01
.9[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E-26	.[illegible]E+00	-.[illegible]E-01
.9[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E-27	.[illegible]E+00	-.[illegible]E-01
.9[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E-28	.[illegible]E+00	-.[illegible]E-01
.9[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E-29	.[illegible]E+00	-.[illegible]E-01
.9[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E-30	.[illegible]E+00	-.[illegible]E-01
.9[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E-31	.[illegible]E+00	-.[illegible]E-01
.9[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E-32	.[illegible]E+00	-.[illegible]E-01
.9[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E-33	.[illegible]E+00	-.[illegible]E-01
.9[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E-34	.[illegible]E+00	-.[illegible]E-01
.9[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E-35	.[illegible]E+00	-.[illegible]E-01
.9[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E-36	.[illegible]E+00	-.[illegible]E-01
.9[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E-37	.[illegible]E+00	-.[illegible]E-01
.9[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E-38	.[illegible]E+00	-.[illegible]E-01
.9[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E-39	.[illegible]E+00	-.[illegible]E-01
.9[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E-40	.[illegible]E+00	-.[illegible]E-01
.9[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E-41	.[illegible]E+00	-.[illegible]E-01
.9[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E-42	.[illegible]E+00	-.[illegible]E-01
.9[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E-43	.[illegible]E+00	-.[illegible]E-01
.9[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E-44	.[illegible]E+00	-.[illegible]E-01
.9[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E-45	.[illegible]E+00	-.[illegible]E-01
.9[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E-46	.[illegible]E+00	-.[illegible]E-01
.9[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E-47	.[illegible]E+00	-.[illegible]E-01
.9[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E-48	.[illegible]E+00	-.[illegible]E-01
.9[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E-49	.[illegible]E+00	-.[illegible]E-01
.9[illegible]E+00	.[illegible]E+00	.[illegible]E+00	.[illegible]E-50	.[illegible]E+00	-.[illegible]E-01

SPHERE

$R/\lambda = 5$ $\quad T_e/T_i = 1$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -1$

Z/R	ρ/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.1183E+01	.171[illegible]E+01	.9[illegible]	.1[illegible]E+01	-.146146E-02	-.[illegible]
.2334E+00	.1[illegible]E+01	.9[illegible]	.1[illegible]E+01	-.[illegible]	-.[illegible]
.3421E+00	.1[illegible]E+01	.9[illegible]	.1[illegible]E+01	-.[illegible]	-.[illegible]
.4420E+00	.1[illegible]E+01	.9[illegible]	.1[illegible]E+01	.1433[illegible]	-.[illegible]
.5315E+00	.1[illegible]E+01	.1[illegible]	.9[illegible]	-.[illegible]	.[illegible]
.6071E+00	.1473E+01	.9[illegible]	.1[illegible]	.1[illegible]	-.[illegible]
.6750E+00	.1[illegible]	.9[illegible]	.1[illegible]	.[illegible]	-.[illegible]
.7255E+00	.1[illegible]	.1[illegible]	.9[illegible]	-.[illegible]	.[illegible]
.7725E+00	.1[illegible]	.9[illegible]	.1[illegible]	-.[illegible]	-.[illegible]
.8059E+00	.1[illegible]	.9[illegible]	.1[illegible]	-.[illegible]	-.[illegible]
.8302E+00	.1[illegible]	.9[illegible]	.1[illegible]	-.[illegible]	-.[illegible]
.8495E+00	.1[illegible]	.9872[illegible]	.1[illegible]	-.[illegible]	-.[illegible]
.8570E+00	.8[illegible]	.[illegible]	.2[illegible]	.[illegible]	-.[illegible]
.8615E+00	.[illegible]	.9[illegible]	.7[illegible]	.[illegible]	-.[illegible]
.8616E+00	.[illegible]	.[illegible]	.1[illegible]	.[illegible]	-.[illegible]
.8579E+00	.[illegible]	.[illegible]	.[illegible]	.[illegible]	-.[illegible]
.8515E+00	.[illegible]	.[illegible]	.[illegible]	.[illegible]	-.[illegible]
.8425E+00	.[illegible]	.[illegible]	.[illegible]	.[illegible]	-.[illegible]
.8315E+00	.[illegible]	.[illegible]	.[illegible]	.[illegible]	-.[illegible]
.8138E+00	.5940E+00	.[illegible]	.1[illegible]	.[illegible]	-.[illegible]
.8061E+00	.5566E+00	.[illegible]	.1[illegible]	.[illegible]	-.[illegible]
.7922E+00	.[illegible]	.[illegible]	.1[illegible]	.[illegible]	-.[illegible]
.7773E+00	.[illegible]	.[illegible]	.1[illegible]	.[illegible]	-.[illegible]
.1036E+00	.1[illegible]	.9[illegible]	.1[illegible]	-.[illegible]	-.[illegible]
.2047E+00	.1[illegible]	.9[illegible]	.1[illegible]	-.[illegible]	-.[illegible]
.3023E+00	.1[illegible]	.9[illegible]	.1[illegible]	-.[illegible]	-.[illegible]
.3902E+00	.1[illegible]	.9[illegible]	.1[illegible]	.[illegible]	-.[illegible]
.4713E+00	.1[illegible]	.9[illegible]	.1[illegible]	.[illegible]	-.[illegible]
.5430E+00	.1[illegible]	.9[illegible]	.1[illegible]	-.[illegible]	-.[illegible]
.6052E+00	.1[illegible]	.1[illegible]	.9[illegible]	-.[illegible]	.[illegible]
.6574E+00	.1[illegible]	.9[illegible]	.1[illegible]	-.[illegible]	-.[illegible]
.7024E+00	.1[illegible]	.9[illegible]	.1[illegible]	-.131149E-02	-.759563E-03
.7348E+00	.1139E+01	.9[illegible]	.1[illegible]	-.[illegible]	-.[illegible]
.7612E+00	.1[illegible]	.9[illegible]	.1[illegible]	-.[illegible]	-.[illegible]
.7907E+00	.1[illegible]	.9[illegible]	.1[illegible]	-.[illegible]	-.[illegible]
.7941E+00	.9[illegible]	.9[illegible]	.2[illegible]	.[illegible]	-.[illegible]
.8023E+00	.[illegible]	.9[illegible]	.5[illegible]	.[illegible]	-.[illegible]
.8[illegible]	.8[illegible]	.9[illegible]	.1[illegible]	.[illegible]	-.[illegible]
.8[illegible]	.7[illegible]	.9[illegible]	.1[illegible]	.[illegible]	-.[illegible]
.8[illegible]	.7222E+00	.9[illegible]	.2[illegible]	.[illegible]	-.[illegible]
.7975E+00	.6[illegible]	.7[illegible]	.3[illegible]	.[illegible]	-.[illegible]
.7900E+00	.6[illegible]	.[illegible]	.1[illegible]	.[illegible]	-.[illegible]
.7805E+00	.[illegible]	.[illegible]	.1[illegible]	.[illegible]	-.[illegible]
.7705E+00	.[illegible]	.[illegible]	.1[illegible]	.[illegible]	-.[illegible]
.7594E+00	.[illegible]	.[illegible]	.1[illegible]	.[illegible]	-.[illegible]
.7475E+00	.[illegible]	.[illegible]	.1[illegible]	.[illegible]	-.[illegible]
.9149E-01	.1510E+01	.[illegible]	.1[illegible]	-.[illegible]	-.[illegible]
.1510E+00	.1493E+01	.[illegible]	.1[illegible]	-.[illegible]	-.[illegible]
.2667E+00	.1[illegible]	.9[illegible]	.1[illegible]	-.[illegible]	-.[illegible]
.3659E+00	.1[illegible]	.[illegible]	.1[illegible]	-.[illegible]	-.[illegible]
.4[illegible]	.1[illegible]	.[illegible]	.1[illegible]	-.[illegible]	-.[illegible]
.4836E+00	.1[illegible]	.[illegible]	.1[illegible]	-.[illegible]	-.[illegible]
.5447E+00	.1[illegible]	.[illegible]	.1[illegible]	-.[illegible]	-.[illegible]
.5949E+00	.1[illegible]	.[illegible]	.1[illegible]	-.[illegible]	-.[illegible]
.6369E+00	.1[illegible]	.[illegible]	.1[illegible]	-.[illegible]	-.[illegible]
.6710E+00	.1[illegible]	.[illegible]	.1[illegible]	-.[illegible]	-.[illegible]
.6993E+00	.1[illegible]	.[illegible]	.1[illegible]	-.[illegible]	-.[illegible]
.7207E+00	.[illegible]	.[illegible]	.[illegible]	.[illegible]	-.[illegible]
.7359E+00	.[illegible]	.[illegible]	.[illegible]	.[illegible]	-.[illegible]
.7479E+00	.[illegible]	.[illegible]	.[illegible]	.[illegible]	-.[illegible]

SPHERE

$R/\lambda = 5$ $\quad T_e/T_i = 1$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -1$

Z/R	ρ/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.7541E+00	.8206E+00	.9137[illegible]E+00	.6[illegible]E-02	.9132[illegible]E+00	-.3477[illegible]E-01
.7572E+00	.7[illegible]E+00	.9[illegible]E+00	.1376[illegible]E-02	.9[illegible]E+00	-.1221[illegible]E+00
.7572E+00	.7[illegible]E+00	.[illegible]E+00	.1243[illegible]E-03	.9[illegible]E+00	-.2178[illegible]E+00
.7547E+00	.6911E+00	.6[illegible]E+00	.1[illegible]E-04	.[illegible]E+00	-.[illegible]E+00
.7501E+00	.6514E+00	.3[illegible]E+00	.1[illegible]E+01	.[illegible]E+00	-.1006[illegible]E+01
.7438E+00	.6136E+00	.3544[illegible]E+00	.1[illegible]E+01	.[illegible]E+00	-.1067[illegible]E+01
.7351E+00	.5782E+00	.3436[illegible]E+00	.1[illegible]E+01	.[illegible]E+00	-.1[illegible]E+01
.7273E+00	.5465E+00	.3328[illegible]E+00	.1[illegible]E+01	.[illegible]E+00	-.1101[illegible]E+01
.7178E+00	.5148E+00	.3223[illegible]E+00	.1[illegible]E+01	.[illegible]E+00	-.1132[illegible]E+01
.8137E-01	.1424E+01	.9[illegible]E+00	.1[illegible]E+01	-.2[illegible]E-01	-.1023[illegible]E-01
.1612E+00	.1410E+01	.9[illegible]E+00	.1[illegible]E+01	-.[illegible]E-02	-.3950[illegible]E-02
.2375E+00	.1388E+01	.9[illegible]E+00	.1[illegible]E+01	-.[illegible]E-02	-.1760[illegible]E-02
.3183E+00	.1358E+01	.9[illegible]E+00	.1[illegible]E+01	-.[illegible]E-02	-.1130[illegible]E-02
.3774E+00	.1321E+01	.9[illegible]E+00	.1[illegible]E+01	-.[illegible]E-02	-.9146[illegible]E-03
.4306E+00	.1279E+01	.9[illegible]E+00	.1[illegible]E+01	-.[illegible]E-02	-.8[illegible]E-03
.4926E+00	.1232E+01	.9[illegible]E+00	.1[illegible]E+01	-.[illegible]E-02	-.1533[illegible]E-02
.5422E+00	.1182E+01	.9[illegible]E+00	.1[illegible]E+01	-.[illegible]E-02	-.2752[illegible]E-02
.5810E+00	.1136E+01	.9[illegible]E+00	.1[illegible]E+01	-.[illegible]E-01	-.5[illegible]E-02
.6154E+00	.1077E+01	.9[illegible]E+00	.1[illegible]E+01	-.[illegible]E-01	-.1043[illegible]E-01
.6437E+00	.1024E+01	.9[illegible]E+00	.1[illegible]E+01	-.[illegible]E-01	-.2295[illegible]E-01
.6663E+00	.9717E+00	.9[illegible]E+00	.3[illegible]E+00	.5[illegible]E+00	-.5154[illegible]E-01
.6839E+00	.9206E+00	.9[illegible]E+00	.1[illegible]E+00	.8[illegible]E+00	-.7600[illegible]E-01
.6959E+00	.8711E+00	.9[illegible]E+00	.2[illegible]E-01	.8[illegible]E+00	-.1033[illegible]E+00
.7059E+00	.8236E+00	.3623[illegible]E+00	.3663[illegible]E-02	.3[illegible]E+00	-.1480[illegible]E+00
.7114E+00	.7781E+00	.7[illegible]E+00	.4[illegible]E-03	.7[illegible]E+00	-.2371[illegible]E+00
.7140E+00	.7357E+00	.3[illegible]E+00	.9[illegible]E-04	.6[illegible]E+00	-.4616[illegible]E+00
.7140E+00	.6942E+00	.3669[illegible]E+00	.1[illegible]E+01	.[illegible]E+00	-.1004[illegible]E+01
.7119E+00	.6557E+00	.3558[illegible]E+00	.1[illegible]E+01	.[illegible]E+00	-.1033[illegible]E+01
.7029E+00	.6195E+00	.3454[illegible]E+00	.1[illegible]E+01	.[illegible]E+00	-.1063[illegible]E+01
.7020E+00	.5855E+00	.3352[illegible]E+00	.1[illegible]E+01	.[illegible]E+00	-.1093[illegible]E+01
.6950E+00	.5536E+00	.3248[illegible]E+00	.1[illegible]E+01	.[illegible]E+00	-.1124[illegible]E+01
.6834E+00	.5236E+00	.3147[illegible]E+00	.1[illegible]E+01	.[illegible]E+00	-.1156[illegible]E+01
.7233E-01	.1347E+01	.9745[illegible]E+00	.1[illegible]E+01	-.4[illegible]E-01	-.2065[illegible]E-01
.1444E+00	.1330E+01	.9[illegible]E+00	.1[illegible]E+01	-.[illegible]E-01	-.9180[illegible]E-02
.2135E+00	.1317E+01	.9[illegible]E+00	.1[illegible]E+01	-.[illegible]E-02	-.5260[illegible]E-02
.2791E+00	.1291E+01	.9[illegible]E+00	.1[illegible]E+01	-.[illegible]E-02	-.3897[illegible]E-02
.3464E+00	.1250E+01	.9[illegible]E+00	.1[illegible]E+01	-.[illegible]E-02	-.3677[illegible]E-02
.3960E+00	.1227E+01	.9[illegible]E+00	.1[illegible]E+01	-.[illegible]E-02	-.4360[illegible]E-02
.4473E+00	.1182E+01	.9[illegible]E+00	.1[illegible]E+01	-.[illegible]E-01	-.6130[illegible]E-02
.4926E+00	.1138E+01	.9[illegible]E+00	.1[illegible]E+01	-.[illegible]E-01	-.9241[illegible]E-02
.5316E+00	.1094E+01	.9[illegible]E+00	.1[illegible]E+01	-.[illegible]E-01	-.1520[illegible]E-01
.5653E+00	.1046E+01	.9[illegible]E+00	.1[illegible]E+01	-.[illegible]E-01	-.2849[illegible]E-01
.5938E+00	.9983E+00	.3[illegible]E+00	.4[illegible]E+00	.5[illegible]E+00	-.5952[illegible]E-01
.6170E+00	.9512E+00	.9[illegible]E+00	.2[illegible]E+00	.6[illegible]E+00	-.9[illegible]E-01
.6357E+00	.9046E+00	.6[illegible]E+00	.5623[illegible]E-01	.8[illegible]E+00	-.1370[illegible]E+00
.6503E+00	.8593E+00	.3[illegible]E+00	.1173[illegible]E-01	.7[illegible]E+00	-.2115[illegible]E+00
.6611E+00	.8153E+00	.7[illegible]E+00	.2403[illegible]E-02	.7[illegible]E+00	-.3410[illegible]E+00
.6686E+00	.7731E+00	.3[illegible]E+00	.3806[illegible]E-03	.6[illegible]E+00	-.5038[illegible]E+00
.6733E+00	.7327E+00	.3[illegible]E+00	.1[illegible]E+01	.[illegible]E+00	-.1004[illegible]E+01
.6754E+00	.6945E+00	.3501[illegible]E+00	.1[illegible]E+01	.[illegible]E+00	-.1032[illegible]E+01
.6756E+00	.6577E+00	.3401[illegible]E+00	.1[illegible]E+01	.[illegible]E+00	-.1066[illegible]E+01
.6736E+00	.6231E+00	.3302[illegible]E+00	.1[illegible]E+01	.[illegible]E+00	-.1098[illegible]E+01
.6703E+00	.5905E+00	.3204[illegible]E+00	.1[illegible]E+01	.[illegible]E+00	-.1119[illegible]E+01
.6657E+00	.5596E+00	.3107[illegible]E+00	.1[illegible]E+01	.[illegible]E+00	-.1149[illegible]E+01
.6600E+00	.5306E+00	.3013[illegible]E+00	.1[illegible]E+01	.[illegible]E+00	-.1179[illegible]E+01
.6557E-01	.1279E+01	.9[illegible]E+00	.1[illegible]E+01	-.[illegible]E-01	-.4[illegible]E-01
.1391E+00	.1260E+01	.9[illegible]E+00	.1[illegible]E+01	-.[illegible]E-01	-.2103[illegible]E-01
.1927E+00	.1252E+01	.9[illegible]E+00	.1[illegible]E+01	-.[illegible]E-01	-.1414[illegible]E-01
.2544E+00	.1230E+01	.9[illegible]E+00	.1[illegible]E+01	-.[illegible]E-01	-.1233[illegible]E-01
.3085E+00	.1203E+01	.9[illegible]E+00	.1[illegible]E+01	-.[illegible]E-01	-.1[illegible]E-01

SPHERE

$R/\lambda = 5$ $\quad T_e/T_i = 1$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -1$

	Z/R	ρ/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
	.3614E+00	.1171E+01	.9247138E+00	.1015322E+01	−.3124788E−01	−.1540498E−01
	.4077E+00	.1146E+01	.9775[illegible]E+00	.1022[illegible]E+01	−.9117[illegible]E−01	−.2061[illegible]E−01
	.4502E+00	.1097E+01	.9714128E+00	.1022[illegible]E+01	−.5851[illegible]E−01	−.2904[illegible]E−01
	.4907E+00	.1057E+01	.9503511E+00	.1045128E+01	−.9364[illegible]E−01	−.4412[illegible]E−01
	.5206E+00	.1015E+01	.9325[illegible]E+00	.1067[illegible]E+01	−.1446[illegible]E+00	−.7195[illegible]E−01
	.5436E+00	.9720E+00	.9[illegible]E+00	.3549[illegible]E+00	.5233[illegible]E+00	−.1233[illegible]E+00
	.5722E+00	.9249E+00	.9283[illegible]E+00	.1047[illegible]E+00	.7185[illegible]E+00	−.1882[illegible]E+00
	.5917E+00	.8[illegible]E+00	.7553[illegible]E+00	.5324[illegible]E−01	.7230[illegible]E+00	−.2871[illegible]E+00
	.6074E+00	.8460E+00	.6[illegible]E+00	.6743726E−02	.5986[illegible]E+00	−.5023[illegible]E+00
	.6136E+00	.8055E+00	.5737[illegible]E+00	.1062[illegible]E+01	.3033[illegible]E+00	−.9340[illegible]E+00
	.6247E+00	.7662E+00	.3049[illegible]E+00	.1000[illegible]E+01	.6000[illegible]E+00	−.1006[illegible]E+01
	.6365E+00	.7284E+00	.3552[illegible]E+00	.1000[illegible]E+01	.3000[illegible]E+00	−.1034[illegible]E+01
	.6430E+00	.6922E+00	.3454[illegible]E+00	.1000[illegible]E+01	.3000[illegible]E+00	−.1061[illegible]E+01
	.6460E+00	.6577E+00	.3365[illegible]E+00	.1000[illegible]E+01	.3000[illegible]E+00	−.1089[illegible]E+01
	.6490E+00	.6249E+00	.3271[illegible]E+00	.1000[illegible]E+01	.3000[illegible]E+00	−.1117[illegible]E+01
	.6535E+00	.5936E+00	.3177[illegible]E+00	.1000[illegible]E+01	.3000[illegible]E+00	−.1146[illegible]E+01
	.6564E+00	.5641E+00	.3086[illegible]E+00	.1000[illegible]E+01	.3000[illegible]E+00	−.1175[illegible]E+01
	.6624E+00	.5362E+00	.2997[illegible]E+00	.1000[illegible]E+01	.3000[illegible]E+00	−.1206[illegible]E+01
	.5359E−01	.1717E+01	.9246[illegible]E+00	.1014[illegible]E+01	−.1557[illegible]E+00	−.7830[illegible]E−01
	.1179E+00	.1620E+01	.8951[illegible]E+00	.1056[illegible]E+01	−.6[illegible]E−01	−.4957[illegible]E−01
	.1747E+00	.1494E+01	.9617[illegible]E+00	.1023[illegible]E+01	−.7744[illegible]E−01	−.3902[illegible]E−01
	.2[illegible]E+00	.1178E+01	.9[illegible]E+00	.1037[illegible]E+01	−.7340[illegible]E−01	−.3697[illegible]E−01
	.2[illegible]E+00	.1151E+01	.9[illegible]E+00	.1041[illegible]E+01	−.9[illegible]E−01	−.4083[illegible]E−01
	.3246E+00	.1123E+01	.8[illegible]E+00	.1056[illegible]E+01	−.9[illegible]E−01	−.4981[illegible]E−01
	.3729E+00	.1092E+01	.8[illegible]E+00	.1096524E+01	−.1[illegible]E+00	−.6316[illegible]E−01
	.4136E+00	.1059E+01	.9[illegible]E+00	.1[illegible]E+01	−.1[illegible]E+00	−.8489[illegible]E−01
	.4495E+00	.1022E+01	.8[illegible]E+00	.1138[illegible]E+01	−.2[illegible]E+00	−.1230[illegible]E+00
	.4809E+00	.9851E+00	.[illegible]E+00	.4[illegible]E+00	.4[illegible]E+00	−.1909[illegible]E+00
	.5031E+00	.9469E+00	.7579[illegible]E+00	.1[illegible]E+00	.5664931E+00	−.2771[illegible]E+00
	.5317E+00	.9083E+00	.6[illegible]E+00	.[illegible]E−01	.6[illegible]E+00	−.4[illegible]E+00
	.5515E+00	.8[illegible]E+00	.5[illegible]E+00	.1[illegible]E−01	.5[illegible]E+00	−.5[illegible]E+00
	.5[illegible]E+00	.8[illegible]E+00	.3[illegible]E+00	.1000[illegible]E+01	.[illegible]E+00	−.[illegible]E+00
	.5812E+00	.7943E+00	.3629[illegible]E+00	.1000[illegible]E+01	.3000[illegible]E+00	−.1016[illegible]E+01
	.5915E+00	.7579E+00	.3533[illegible]E+00	.1000[illegible]E+01	.3000[illegible]E+00	−.1040[illegible]E+01
	.5952E+00	.7222E+00	.3445[illegible]E+00	.1000[illegible]E+01	.3000[illegible]E+00	−.1066[illegible]E+01
	.6048E+00	.6[illegible]E+00	.3356[illegible]E+00	.1000[illegible]E+01	.3000[illegible]E+00	−.1091[illegible]E+01
	.6[illegible]E+00	.6[illegible]E+00	.3270[illegible]E+00	.1000[illegible]E+01	.3000[illegible]E+00	−.1118[illegible]E+01
	.6[illegible]E+00	.5[illegible]E+00	.3183[illegible]E+00	.1000[illegible]E+01	.3000[illegible]E+00	−.1145[illegible]E+01
	.6056E+00	.5951E+00	.3041[illegible]E+00	.1000[illegible]E+01	.3000[illegible]E+00	−.1173[illegible]E+01
	.6082E+00	.5662E+00	.3[illegible]E+00	.1000[illegible]E+01	.3000[illegible]E+00	−.1202[illegible]E+01
	.6057E+00	.5395E+00	.2915[illegible]E+00	.1000[illegible]E+01	.3000[illegible]E+00	−.1232[illegible]E+01
	.5337E−01	.1160E+01	.3[illegible]E+00	.1161[illegible]E+01	−.3[illegible]E+00	−.1497[illegible]E+00
	.1072E+00	.1153E+01	.3[illegible]E+00	.1119[illegible]E+01	−.2[illegible]E+00	−.1130[illegible]E+00
	.1562E+00	.1141E+01	.9[illegible]E+00	.1105[illegible]E+01	−.2[illegible]E+00	−.1005[illegible]E+00
	.2081E+00	.1124E+01	.9[illegible]E+00	.1[illegible]E+01	−.2[illegible]E+00	−.1008[illegible]E+00
	.2559E+00	.1[illegible]E+01	.8[illegible]E+00	.1[illegible]E+01	−.2[illegible]E+00	−.1[illegible]E+00
	.3011E+00	.1[illegible]E+01	.8[illegible]E+00	.1144[illegible]E+01	−.2[illegible]E+00	−.1352[illegible]E+00
	.3428E+00	.1051E+01	.[illegible]E+00	.1[illegible]E+01	−.3[illegible]E+00	−.1731[illegible]E+00
	.3820E+00	.1021E+01	.[illegible]E+00	.1[illegible]E+01	−.4[illegible]E+00	−.2216[illegible]E+00
	.4167E+00	.9894E+00	.7[illegible]E+00	.5[illegible]E+00	.2[illegible]E+00	−.3072[illegible]E+00
	.4490E+00	.9560E+00	.[illegible]E+00	.2[illegible]E+00	.3[illegible]E+00	−.4432[illegible]E+00
12	.4715E+00	.9[illegible]E+00	.[illegible]E+00	.[illegible]E−01	.[illegible]E+00	−.5[illegible]E+00
11	.4946E+00	.8[illegible]E+00	.3[illegible]E+00	.1000[illegible]E+01	.[illegible]E+00	−.9[illegible]E+00
10	.5140E+00	.8[illegible]E+00	.[illegible]E+00	.1[illegible]E+01	.[illegible]E+00	−.1[illegible]E+01
9	.5317E+00	.8[illegible]E+00	.[illegible]E+00	.1[illegible]E+01	.[illegible]E+00	−.1[illegible]E+01
8	.5457E+00	.7[illegible]E+00	.[illegible]E+00	.1[illegible]E+01	.[illegible]E+00	−.1[illegible]E+01
7	.5569E+00	.7[illegible]E+00	.3[illegible]E+00	.1[illegible]E+01	.[illegible]E+00	−.1[illegible]E+01
6	.5657E+00	.7[illegible]E+00	.[illegible]E+00	.1[illegible]E+01	.[illegible]E+00	−.1[illegible]E+01
5	.5728E+00	.6[illegible]E+00	.[illegible]E+00	.1[illegible]E+01	.[illegible]E+00	−.1[illegible]E+01
4	.5770E+00	.6[illegible]E+00	.[illegible]E+00	.1[illegible]E+01	.[illegible]E+00	−.1[illegible]E+01
3						

SPHERE

$R/\lambda = 5$ $\quad T_e/T_i = 1$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -1$

Z/R	ρ/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.5795E+00	.6234E+00	.3083[illegible]E+00	.1000[illegible]E+01	.0000000E+00	-.117456E+01
.5612E+00	.5751E+00	.3307[illegible]E+00	.1000[illegible]E+01	.0000000E+00	-.120216E+01
.5412E+00	.5[illegible]E+00	.2981[illegible]E+00	.1000000E+01	.0000000E+00	-.123045E+01
.5201E+00	.5422E+00	.2834[illegible]E+00	.1000000E+01	.0000000E+00	-.125935E+01
.4723E-01	.1100E+01	.7825[illegible]E+00	.1428[illegible]E+01	-.5767[illegible]E+00	-.2842[illegible]E+00
.2780E-01	.1102E+01	.7795[illegible]E+00	.1262[illegible]E+01	-.5004551E+00	-.2489[illegible]E+00
.1456E+00	.1092E+01	.7976[illegible]E+00	.1269[illegible]E+01	-.4843[illegible]E+00	-.2386[illegible]E+00
.1915E+00	.1077E+01	.7827[illegible]E+00	.1277[illegible]E+01	-.4945[illegible]E+00	-.2440[illegible]E+00
.2353E+00	.1059E+01	.7637[illegible]E+00	.1300[illegible]E+01	-.5453[illegible]E+00	-.2695[illegible]E+00
.2796E+00	.1037E+01	.7222[illegible]E+00	.1596[illegible]E+01	-.8752[illegible]E+00	-.3254[illegible]E+00
.3152E+00	.1013E+01	.6921[illegible]E+00	.1533[illegible]E+01	-.8409[illegible]E+00	-.4274[illegible]E+00
.3507E+00	.9864E+00	.6014[illegible]E+00	.6359[illegible]E+00	-.3436[illegible]E-01	-.5083[illegible]E+00
.3831E+00	.9578E+00	.5285[illegible]E+00	.3252[illegible]E+00	.2032[illegible]E+00	-.6376[illegible]E+00
.4174E+00	.9276E+00	.3734[illegible]E+00	.1000000E+01	.0000000E+00	-.9845[illegible]E+00
.4364E+00	.8960E+00	.3672[illegible]E+00	.1000000E+01	.0000000E+00	-.1001[illegible]E+01
.4614E+00	.8651E+00	.3605[illegible]E+00	.1000000E+01	.0000000E+00	-.1020[illegible]E+01
.4813E+00	.8430E+00	.3555[illegible]E+00	.1000000E+01	.0000000E+00	-.1039[illegible]E+01
.4934E+00	.8210E+00	.3464[illegible]E+00	.1000000E+01	.0000000E+00	-.1060[illegible]E+01
.5124E+00	.7892E+00	.3360[illegible]E+00	.1000000E+01	.0000000E+00	-.1081[illegible]E+01
.5243E+00	.7779E+00	.3314[illegible]E+00	.1000000E+01	.0000000E+00	-.1104[illegible]E+01
.5344E+00	.7673E+00	.3236[illegible]E+00	.1000000E+01	.0000000E+00	-.1128[illegible]E+01
.5420E+00	.7778E+00	.3153[illegible]E+00	.1000000E+01	.0000000E+00	-.1152[illegible]E+01
.5477E+00	.6940E+00	.3073[illegible]E+00	.1000000E+01	.0000000E+00	-.1177[illegible]E+01
.5517E+00	.6207E+00	.2910[illegible]E+00	.1000000E+01	.0000000E+00	-.1204[illegible]E+01
.5542E+00	.5583E+00	.2813[illegible]E+00	.1000000E+01	.0000000E+00	-.1231[illegible]E+01
.5554E+00	.5057E+00	.2744[illegible]E+00	.1000000E+01	.0000000E+00	-.1258[illegible]E+01
.5554E+00	.5433E+00	.2763[illegible]E+00	.1000000E+01	.0000000E+00	-.1287[illegible]E+01

SPHERE

$R/\lambda = 1$ $\quad T_e/T_i = 1$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -1$

	Z/R	ρ/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
	.2000E+02	.1000E+02	.999969E+00	.999983E+00	-.145361E-04	-.311696E-04
	.1176E+02	.2941E+01	.989944E+00	.991689E+00	-.183410E-02	-.101068E-01
	.8108E+01	.1351E+01	.913237E+00	.896325E+00	.164656E-01	-.907601E-01
	.6154E+01	.7692E+00	.771596E+00	.479400E+00	.291944E+00	-.259294E+00
	.4950E+01	.4950E+00	.760013E+00	.201733E+00	.558343E+00	-.274420E+00
	.4138E+01	.3448E+00	.783071E+00	.615639E-01	.720120E+00	-.244532E+00
	.3553E+01	.2538E+00	.821930E+00	.171440E-01	.810407E+00	-.196100E+00
	.3113E+01	.1946E+00	.869322E+00	.379171E-02	.858546E+00	-.140042E+00
	.2769E+01	.1538E+00	.908244E+00	.937336E-03	.903618E+00	-.962421E-01
	.2494E+01	.1247E+00	.928181E+00	.170211E-03	.939848E+00	-.745284E-01
	.2268E+01	.1031E+00	.951667E+00	.325116E-04	.949138E+00	-.495404E-01
	.2080E+01	.8666E-01	.970127E+00	.626806E-05	.962466E+00	-.303279E-01
	.1920E+01	.7386E-01	.976619E+00	.109720E-05	.978465E+00	-.236584E-01
12	.1783E+01	.6369E-01	.979809E+00	.186963E-06	.985049E+00	-.203971E-01
11	.1665E+01	.5549E-01	.985160E+00	.332466E-07	.985596E+00	-.149517E-01
10	.1561E+01	.4878E-01	.990781E+00	.560541E-08	.987219E+00	-.926151E-02
9	.1469E+01	.4322E-01	.993499E+00	.203226E-08	.991367E+00	-.652242E-02
8	.1388E+01	.3855E-01	.993381E+00	.211760E-09	.994850E+00	-.664058E-02
7	.1315E+01	.3460E-01	.992573E+00	.728916E-09	.994943E+00	-.745446E-02
6	.1249E+01	.3123E-01	.990915E+00	.131664E-09	.991343E+00	-.912688E-02
5	.1190E+01	.2833E-01	.982676E+00	.188009E-09	.981524E+00	-.174761E-01
4	.1136E+01	.2581E-01	.952623E+00	.220557E-09	.951732E+00	-.485356E-01
3						

SPHERE

$R/\lambda = 1$ $\quad T_e/T_i = 1$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -1$

	Z/R	ρ/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
	.1086E+01	.2362E-01	.865503E+00	.205725E-09	.865505E+00	-.144444E+00
	.7692E+01	.1154E+02	.999999E+00	.100000E+01	-.223517E-05	-.979559E-06
	.8000E+01	.6000E+01	.999997E+00	.100000E+01	-.676513E-05	-.326034E-05
	.6667E+01	.3333E+01	.999908E+00	.100009E+01	-.184149E-03	-.917777E-04
	.5479E+01	.2055E+01	.998702E+00	.100130E+01	-.259794E-02	-.129922E-02
	.4587E+01	.1376E+01	.988712E+00	.101142E+01	-.227238E-01	-.113523E-01
	.3922E+01	.9804E+00	.928857E+00	.431518E+00	.497398E+00	-.738002E-01
	.3415E+01	.7317E+00	.923749E+00	.189288E+00	.734302E+00	-.793145E-01
	.3019E+01	.5660E+00	.937435E+00	.527834E-01	.884742E+00	-.646077E-01
	.2703E+01	.4505E+00	.954171E+00	.126179E-01	.941747E+00	-.469120E-01
	.2445E+01	.3667E+00	.967928E+00	.237015E-02	.965346E+00	-.325980E-01
	.2231E+01	.3043E+00	.977561E+00	.397864E-03	.977090E+00	-.226947E-01
	.2051E+01	.2564E+00	.983968E+00	.528216E-04	.984064E+00	-.161623E-01
	.1898E+01	.2190E+00	.988364E+00	.766091E-05	.988405E+00	-.117044E-01
	.1765E+01	.1892E+00	.991441E+00	.101082E-05	.991355E+00	-.859628E-02
	.1650E+01	.1650E+00	.993557E+00	.122135E-06	.993504E+00	-.646360E-02
	.1549E+01	.1452E+00	.995015E+00	.159458E-07	.995050E+00	-.499705E-02
	.1459E+01	.1288E+00	.996067E+00	.147331E-08	.996114E+00	-.394027E-02
	.1379E+01	.1149E+00	.996830E+00	.772388E-09	.996832E+00	-.317492E-02
	.1308E+01	.1032E+00	.997244E+00	.121820E-09	.997216E+00	-.275962E-02
	.1243E+01	.9323E-01	.996877E+00	.202912E-09	.996864E+00	-.312745E-02
	.1184E+01	.8460E-01	.993987E+00	.733829E-10	.993991E+00	-.603112E-02
	.1131E+01	.7712E-01	.981724E+00	.706000E-10	.981734E+00	-.104440E-01
	.1082E+01	.7059E-01	.934660E+00	.740508E-10	.934663E+00	-.675729E-01
	.3448E+01	.8621E+01	.100000E+01	.100000E+01	-.305474E-06	-.124773E-06
	.4878E+01	.6098E+01	.100000E+01	.100000E+01	-.484288E-06	-.221030E-06
	.4918E+01	.4098E+01	.999997E+00	.100000E+01	-.638515E-05	-.312591E-05
	.4494E+01	.2809E+01	.999964E+00	.100004E+01	-.658706E-04	-.355838E-04
	.4000E+01	.2000E+01	.999771E+00	.100023E+01	-.533849E-03	-.229331E-03
	.3550E+01	.1479E+01	.998561E+00	.100144E+01	-.247880E-02	-.143988E-02
	.3167E+01	.1131E+01	.993918E+00	.100612E+01	-.129993E-01	-.610011E-02
	.2847E+01	.8897E+00	.971885E+00	.355076E+00	.616966E+00	-.285179E-01
	.2579E+01	.7163E+00	.968687E+00	.115427E+00	.853567E+00	-.318140E-01
	.2353E+01	.5882E+00	.973921E+00	.281560E-01	.945353E+00	-.264249E-01
	.2161E+01	.4912E+00	.980114E+00	.442485E-02	.975584E+00	-.200861E-01
	.1997E+01	.4160E+00	.985090E+00	.823759E-03	.984538E+00	-.150222E-01
	.1854E+01	.3566E+00	.988946E+00	.992429E-04	.988895E+00	-.111154E-01
	.1731E+01	.3090E+00	.991827E+00	.126513E-04	.991627E+00	-.820618E-02
	.1622E+01	.2703E+00	.993813E+00	.151162E-05	.993709E+00	-.620667E-02
	.1525E+01	.2383E+00	.995156E+00	.167969E-06	.995225E+00	-.485594E-02
	.1439E+01	.2117E+00	.996121E+00	.174713E-07	.996238E+00	-.388630E-02
	.1363E+01	.1893E+00	.996891E+00	.231556E-08	.996865E+00	-.311357E-02
	.1293E+01	.1702E+00	.997278E+00	.387491E-09	.997245E+00	-.272551E-02
	.1231E+01	.1538E+00	.996921E+00	.222131E-09	.996848E+00	-.308337E-02
	.1174E+01	.1397E+00	.993936E+00	.761648E-10	.993975E+00	-.608226E-02
	.1122E+01	.1275E+00	.981509E+00	.729156E-10	.981539E+00	-.186639E-01
	.1074E+01	.1168E+00	.934052E+00	.741791E-10	.934038E+00	-.682230E-01
	.1887E+01	.6604E+01	.100000E+01	.100000E+01	-.186265E-06	-.933524E-07
	.3077E+01	.5385E+01	.100000E+01	.100000E+01	-.149012E-06	-.108511E-06
	.3529E+01	.4118E+01	.100000E+01	.100000E+01	-.221282E-05	-.460343E-06
	.3540E+01	.3097E+01	.999988E+00	.100001E+01	-.923872E-06	-.116548E-04
12	.3356E+01	.2349E+01	.100001E+01	.999994E+00	-.167258E-03	.568464E-05
11	.3109E+01	.1813E+01	.999671E+00	.100033E+01	-.145510E-04	-.329093E-03
10	.2857E+01	.1429E+01	.999269E+00	.100073E+01	-.244439E-02	-.731342E-03
9	.2623E+01	.1148E+01	.996041E+00	.100397E+01	-.762681E-02	-.396697E-02
8	.2413E+01	.9383E+00	.983039E+00	.353052E+00	.630339E+00	-.171063E-01
7	.2227E+01	.7795E+00	.981232E+00	.144489E+00	.836421E+00	-.189468E-01
6	.2064E+01	.6567E+00	.983490E+00	.354283E-01	.947962E+00	-.166477E-01
5	.1920E+01	.5600E+00	.986707E+00	.531414E-02	.981631E+00	-.133817E-01
4	.1793E+01	.4828E+00	.989774E+00	.943486E-03	.988921E+00	-.102791E-01
3						

SPHERE

$R/\lambda = 1$ $\quad T_e/T_i = 1$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -1$

Z/R	ρ/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.1681E+01	.4202E+00	.992259E+00	.107013E-03	.992057E+00	-.777110E-02
.1581E+01	.3688E+00	.994067E+00	.125791E-04	.993990E+00	-.595079E-02
.1491E+01	.3262E+00	.995346E+00	.140460E-05	.995380E+00	-.466458E-02
.1411E+01	.2905E+00	.996259E+00	.136288E-06	.996358E+00	-.374786E-02
.1338E+01	.2602E+00	.996968E+00	.150556E-07	.996974E+00	-.303708E-02
.1273E+01	.2344E+00	.997298E+00	.153513E-08	.997318E+00	-.270527E-02
.1213E+01	.2122E+00	.996899E+00	.349086E-09	.996847E+00	-.310622E-02
.1158E+01	.1931E+00	.993827E+00	.201943E-09	.993852E+00	-.619259E-02
.1108E+01	.1763E+00	.981115E+00	.746343E-10	.981147E+00	-.190653E-01
.1062E+01	.1617E+00	.932967E+00	.767624E-10	.932953E+00	-.693852E-01
.1176E+01	.5294E+01	.999998E+00	.100000E+01	-.358373E-05	-.176430E-05
.2062E+01	.4639E+01	.999999E+00	.100000E+01	-.126660E-06	-.817982E-06
.2564E+01	.3846E+01	.100001E+01	.999995E+00	-.100210E-04	.545459E-05
.2759E+01	.3103E+01	.999953E+00	.100005E+01	.798404E-04	-.465575E-04
.2762E+01	.2486E+01	.100018E+01	.999816E+00	-.422485E-03	.184201E-03
.2667E+01	.2000E+01	.999551E+00	.100045E+01	.101187E-02	-.448922E-03
.2527E+01	.1625E+01	.100021E+01	.999785E+00	-.175752E-02	.214737E-03
.2374E+01	.1335E+01	.999428E+00	.100057E+01	-.689879E-03	-.572085E-03
.2222E+01	.1111E+01	.996960E+00	.100305E+01	-.465425E-02	-.304430E-02
.2079E+01	.9356E+00	.989505E+00	.350233E+00	.638768E+00	-.105502E-01
.1947E+01	.7965E+00	.987900E+00	.130508E+00	.857121E+00	-.121734E-01
.1826E+01	.6849E+00	.988773E+00	.299245E-01	.959220E+00	-.112900E-01
.1717E+01	.5945E+00	.990752E+00	.429179E-02	.986665E+00	-.929110E-02
.1618E+01	.5202E+00	.992846E+00	.708177E-03	.991956E+00	-.717955E-02
.1529E+01	.4587E+00	.994487E+00	.744444E-04	.994202E+00	-.552875E-02
.1448E+01	.4072E+00	.995624E+00	.857967E-05	.995597E+00	-.438596E-02
.1374E+01	.3638E+00	.996394E+00	.807377E-06	.996545E+00	-.361260E-02
.1307E+01	.3268E+00	.997034E+00	.893462E-07	.997052E+00	-.297085E-02
.1246E+01	.2951E+00	.997313E+00	.715128E-08	.997284E+00	-.269105E-02
.1190E+01	.2677E+00	.996757E+00	.949475E-09	.996647E+00	-.324782E-02
.1138E+01	.2439E+00	.993212E+00	.273105E-09	.993198E+00	-.681104E-02
.1091E+01	.2231E+00	.979173E+00	.193976E-09	.979217E+00	-.210468E-01
.1047E+01	.2048E+00	.928025E+00	.681370E-10	.928026E+00	-.746964E-01
.8000E+00	.4400E+01	.999986E+00	.100001E+01	-.279620E-04	-.144020E-04
.1460E+01	.4015E+01	.999998E+00	.100000E+01	-.942498E-05	-.163420E-05
.1911E+01	.3503E+01	.999992E+00	.100001E+01	.148490E-04	-.808665E-05
.2162E+01	.2973E+01	.100002E+01	.999983E+00	-.565127E-04	.166081E-04
.2262E+01	.2489E+01	.999991E+00	.100001E+01	.810325E-04	-.932922E-05
.2264E+01	.2075E+01	.999936E+00	.100006E+01	.137836E-05	-.635227E-04
.2208E+01	.1735E+01	.100008E+01	.999923E+00	-.308059E-03	.775009E-04
.2122E+01	.1459E+01	.999823E+00	.100018E+01	.143722E-04	-.176799E-03
.2022E+01	.1236E+01	.999401E+00	.100060E+01	-.102933E-02	-.599390E-03
.1919E+01	.1056E+01	.998070E+00	.100193E+01	-.424785E-02	-.193233E-02
.1818E+01	.9091E+00	.992512E+00	.294708E+00	.697775E+00	-.751647E-02
.1722E+01	.7891E+00	.991179E+00	.745328E-01	.916784E+00	-.886013E-02
.1631E+01	.6901E+00	.992072E+00	.181323E-01	.973991E+00	-.795992E-02
.1547E+01	.6077E+00	.993511E+00	.268529E-02	.990755E+00	-.651053E-02
.1469E+01	.5387E+00	.994834E+00	.373085E-03	.994369E+00	-.517932E-02
.1397E+01	.4803E+00	.995812E+00	.348562E-04	.995816E+00	-.419704E-02
.1331E+01	.4307E+00	.996558E+00	.448975E-05	.996581E+00	-.344775E-02
.1270E+01	.3881E+00	.996942E+00	.309256E-06	.996981E+00	-.306269E-02
.1214E+01	.3514E+00	.996587E+00	.375325E-07	.996539E+00	-.341951E-02
.1162E+01	.3196E+00	.993600E+00	.321202E-08	.993552E+00	-.642099E-02
.1114E+01	.2918E+00	.980973E+00	.478793E-09	.981006E+00	-.192104E-01
.1070E+01	.2674E+00	.933425E+00	.230175E-09	.933454E+00	-.688942E-01
.1028E+01	.2459E+00	.771705E+00	.230093E-09	.771698E+00	-.259153E+00
.5780E+00	.3757E+01	.999934E+00	.100007E+01	-.124067E-03	-.655669E-04
.1081E+01	.3514E+01	.999990E+00	.100001E+01	-.465810E-04	-.102220E-04
.1463E+01	.3171E+01	.999981E+00	.100002E+01	.369623E-04	-.185234E-04
.1717E+01	.2790E+01	.100001E+01	.999986E+00	-.970662E-04	.144222E-04

C.2

SPHERE

$R/\lambda = 1$ $\quad T_e/T_i = 1$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -1$

Z/R	ρ/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.1859E+01	.2416E+01	.100002E+01	.999981E+00	.846460E-04	.186309E-04
.1917E+01	.2077E+01	.999904E+00	.100010E+01	.635684E-04	-.960968E-04
.1918E+01	.1781E+01	.100007E+01	.999929E+00	-.309482E-03	.711910E-04
.1882E+01	.1529E+01	.999930E+00	.100007E+01	-.123084E-04	-.704909E-04
.1826E+01	.1318E+01	.999557E+00	.100044E+01	-.589207E-03	-.442665E-03
.1757E+01	.1142E+01	.998568E+00	.100143E+01	-.300881E-02	-.143270E-02
.1685E+01	.9954E+00	.994434E+00	.401038E+00	.593292E+00	-.558111E-02
.1611E+01	.8725E+00	.993051E+00	.178007E+00	.815077E+00	-.697308E-02
.1538E+01	.7692E+00	.993209E+00	.472423E-01	.946057E+00	-.681429E-02
.1469E+01	.6821E+00	.994147E+00	.804759E-02	.986104E+00	-.586995E-02
.1403E+01	.6080E+00	.995238E+00	.128805E-02	.993855E+00	-.477359E-02
.1341E+01	.5448E+00	.996110E+00	.128399E-03	.995960E+00	-.389717E-02
.1283E+01	.4906E+00	.996739E+00	.145889E-04	.996759E+00	-.326624E-02
.1229E+01	.4437E+00	.997006E+00	.126970E-05	.997083E+00	-.299816E-02
.1178E+01	.4030E+00	.996483E+00	.119469E-06	.996477E+00	-.352299E-02
.1131E+01	.3674E+00	.993136E+00	.105393E-07	.993089E+00	-.688747E-02
.1086E+01	.3363E+00	.979571E+00	.112015E-08	.979563E+00	-.206401E-01
.1045E+01	.3088E+00	.929808E+00	.290688E-09	.929835E+00	-.727769E-01
.1007E+01	.2845E+00	.765142E+00	.237682E-09	.765144E+00	-.267694E+00
.4367E+00	.3275E+01	.999733E+00	.100027E+01	-.327721E-03	-.267112E-03
.8299E+00	.3112E+01	.100011E+01	.999886E+00	-.369139E-03	.113574E-03
.1149E+01	.2874E+01	.999576E+00	.100042E+01	.718005E-03	-.423954E-03
.1384E+01	.2595E+01	.100069E+01	.999313E+00	-.155190E-02	.687424E-03
.1538E+01	.2308E+01	.999227E+00	.100077E+01	.220223E-02	-.773191E-03
.1626E+01	.2033E+01	.100039E+01	.999609E+00	-.190969E-02	.391336E-03
.1663E+01	.1781E+01	.100020E+01	.999796E+00	.397988E-03	.203682E-03
.1663E+01	.1559E+01	.999584E+00	.100042E+01	.893071E-03	-.415597E-03
.1639E+01	.1366E+01	.999921E+00	.100008E+01	-.907078E-03	-.785969E-04
.1600E+01	.1200E+01	.999862E+00	.100014E+01	-.104162E-02	-.138276E-03
.1551E+01	.1058E+01	.998717E+00	.100128E+01	-.210932E-02	-.128334E-02
.1498E+01	.9363E+00	.995489E+00	.337614E+00	.658081E+00	-.452153E-02
.1443E+01	.8324E+00	.994607E+00	.919866E-01	.902534E+00	-.540774E-02
.1388E+01	.7433E+00	.994984E+00	.206820E-01	.974183E+00	-.502863E-02
.1333E+01	.6667E+00	.995684E+00	.302843E-02	.992643E+00	-.432487E-02
.1281E+01	.6005E+00	.996302E+00	.363551E-03	.996075E+00	-.370437E-02
.1231E+01	.5431E+00	.996843E+00	.437890E-04	.996831E+00	-.316241E-02
.1183E+01	.4931E+00	.997004E+00	.340753E-05	.996964E+00	-.300050E-02
.1138E+01	.4494E+00	.996076E+00	.342916E-06	.995995E+00	-.393175E-02
.1096E+01	.4110E+00	.991544E+00	.298082E-07	.991491E+00	-.849237E-02
.1056E+01	.3771E+00	.974817E+00	.271977E-08	.974849E+00	-.255053E-01
.1018E+01	.3471E+00	.918077E+00	.442181E-09	.918110E+00	-.854744E-01
.9825E+00	.3204E+00	.745713E+00	.271878E-09	.745712E+00	-.293414E+00
.3413E+00	.2901E+01	.999380E+00	.100062E+01	-.965558E-03	-.620218E-03
.6557E+00	.2787E+01	.100006E+01	.999939E+00	-.599533E-03	.610106E-04
.9231E+00	.2615E+01	.999530E+00	.100047E+01	.633329E-03	-.470022E-03
.1133E+01	.2408E+01	.100058E+01	.999423E+00	-.133260E-02	.577654E-03
.1285E+01	.2185E+01	.999545E+00	.100046E+01	.150616E-02	-.455553E-03
.1386E+01	.1963E+01	.100002E+01	.999980E+00	-.809260E-03	.195458E-04
.1443E+01	.1753E+01	.100026E+01	.999743E+00	-.282183E-03	.256947E-03
.1468E+01	.1560E+01	.999841E+00	.100016E+01	.612505E-03	-.158735E-03
.1468E+01	.1387E+01	.999823E+00	.100018E+01	-.224322E-03	-.177437E-03
.1451E+01	.1234E+01	.999839E+00	.100016E+01	-.828298E-03	-.161275E-03
.1423E+01	.1100E+01	.999134E+00	.100087E+01	-.180960E-02	-.866056E-03
.1387E+01	.9827E+00	.996483E+00	.385565E+00	.611021E+00	-.352293E-02
.1347E+01	.8808E+00	.995485E+00	.154190E+00	.841357E+00	-.452499E-02
.1305E+01	.7922E+00	.995553E+00	.415444E-01	.953982E+00	-.445710E-02
.1262E+01	.7149E+00	.996053E+00	.560639E-02	.990409E+00	-.395463E-02
.1219E+01	.6474E+00	.996583E+00	.982946E-03	.995579E+00	-.342266E-02
.1176E+01	.5882E+00	.996841E+00	.783216E-04	.996769E+00	-.316388E-02
.1136E+01	.5363E+00	.996246E+00	.940068E-05	.996266E+00	-.376173E-02

SPHERE

$R/\lambda = 1$ $\quad T_e/T_i = 1$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -1$

	Z/R	ρ/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
	.1096E+01	.4905E+00	.992810E+00	.785811E-06	.992812E+00	-.721591E-02
	.1059E+01	.4500E+00	.979157E+00	.673152E-07	.979154E+00	-.210633E-01
	.1023E+01	.4140E+00	.929507E+00	.667398E-08	.929511E+00	-.731006E-01
	.9888E+00	.3820E+00	.766335E+00	.115452E-08	.766341E+00	-.266136E+00
	.9563E+00	.3534E+00	.375005E+00	.100000E+01	.000000E+00	-.980816E+00
	.2740E+00	.2603E+01	.999003E+00	.100100E+01	-.260703E-02	-.997676E-03
	.5305E+00	.2520E+01	.999587E+00	.100041E+01	-.478111E-03	-.413317E-03
	.7557E+00	.2393E+01	.999943E+00	.100006E+01	-.419863E-03	-.574746E-04
	.9412E+00	.2235E+01	.100032E+01	.999676E+00	-.409871E-03	.323845E-03
	.1085E+01	.2061E+01	.999362E+00	.100064E+01	.124849E-02	-.638550E-03
	.1188E+01	.1881E+01	.100041E+01	.999590E+00	-.160308E-02	.410474E-03
	.1257E+01	.1706E+01	.100027E+01	.999732E+00	.306085E-03	.268042E-03
	.1297E+01	.1540E+01	.999603E+00	.100040E+01	.984080E-03	-.397405E-03
	.1314E+01	.1387E+01	.999895E+00	.100011E+01	-.614375E-03	-.105084E-03
	.1314E+01	.1248E+01	.100017E+01	.999825E+00	-.732914E-03	.174911E-03
	.1302E+01	.1124E+01	.999776E+00	.100022E+01	-.223942E-03	-.223746E-03
	.1281E+01	.1014E+01	.998895E+00	.100111E+01	-.154319E-02	-.110517E-02
	.1254E+01	.9161E+00	.996811E+00	.259472E+00	.737358E+00	-.319424E-02
	.1223E+01	.8297E+00	.996320E+00	.531749E-01	.942947E+00	-.368718E-02
	.1190E+01	.7534E+00	.996536E+00	.105947E-01	.985816E+00	-.347021E-02
	.1155E+01	.6859E+00	.996810E+00	.166365E-02	.995202E+00	-.319499E-02
	.1121E+01	.6262E+00	.996838E+00	.164188E-03	.996783E+00	-.314659E-02
	.1086E+01	.5733E+00	.995921E+00	.163579E-04	.995957E+00	-.408726E-02
	.1053E+01	.5263E+00	.991701E+00	.151044E-05	.991651E+00	-.833316E-02
	.1020E+01	.4844E+00	.976015E+00	.127626E-06	.975942E+00	-.242770E-01
	.9882E+00	.4471E+00	.921997E+00	.114808E-07	.921951E+00	-.812136E-01
	.9578E+00	.4136E+00	.753812E+00	.143134E-08	.753807E+00	-.282613E+00
	.9285E+00	.3835E+00	.369580E+00	.100000E+01	.000000E+00	-.995389E+00
	.2247E+00	.2360E+01	.996901E+00	.100311E+01	-.336970E-02	-.310411E-02
	.4376E+00	.2298E+01	.100026E+01	.999742E+00	-.294015E-02	.258126E-03
	.6289E+00	.2201E+01	.998245E+00	.100176E+01	.277885E-02	-.175647E-02
	.7921E+00	.2079E+01	.100078E+01	.999219E+00	-.308527E-02	.780840E-03
	.9242E+00	.1941E+01	.999975E+00	.100003E+01	.131354E-02	-.253904E-04
	.1026E+01	.1795E+01	.999503E+00	.100050E+01	.871629E-03	-.497548E-03
	.1099E+01	.1648E+01	.100003E+01	.999968E+00	-.702769E-03	.318716E-04
	.1148E+01	.1506E+01	.100001E+01	.999991E+00	-.313595E-04	.902361E-05
	.1176E+01	.1373E+01	.999913E+00	.100009E+01	.117727E-03	-.873316E-04
	.1189E+01	.1249E+01	.999979E+00	.100002E+01	-.226803E-03	-.209371E-04
	.1189E+01	.1135E+01	.999836E+00	.100016E+01	-.414401E-03	-.164273E-03
	.1180E+01	.1032E+01	.999191E+00	.100081E+01	-.133039E-02	-.809812E-03
	.1164E+01	.9400E+00	.997280E+00	.287303E+00	.710080E+00	-.272357E-02
	.1143E+01	.8571E+00	.996700E+00	.719048E-01	.924740E+00	-.330563E-02
	.1119E+01	.7830E+00	.996747E+00	.147121E-01	.982031E+00	-.325822E-02
	.1092E+01	.7167E+00	.996888E+00	.262692E-02	.994303E+00	-.311679E-02
	.1064E+01	.6575E+00	.996628E+00	.234067E-03	.996434E+00	-.337757E-02
	.1036E+01	.6045E+00	.994910E+00	.260506E-04	.994862E+00	-.510285E-02
	.1008E+01	.5570E+00	.988404E+00	.249090E-05	.988372E+00	-.116633E-01
	.9799E+00	.5145E+00	.966863E+00	.205951E-06	.966884E+00	-.336983E-01
	.9524E+00	.4762E+00	.900516E+00	.186444E-07	.900590E+00	-.104787E+00
	.9255E+00	.4417E+00	.720037E+00	.227879E-08	.720100E+00	-.328453E+00
	.8995E+00	.4106E+00	.363733E+00	.100000E+01	.000000E+00	-.101134E+01
12	.1876E+00	.2158E+01	.995708E+00	.100431E+01	-.900441E-02	-.430161E-02
11	.3670E+00	.2110E+01	.997540E+00	.100247E+01	-.122263E-02	-.246344E-02
10	.5310E+00	.2035E+01	.100092E+01	.999082E+00	-.490679E-02	.918089E-03
9	.6745E+00	.1939E+01	.999575E+00	.100042E+01	.246778E-02	-.424861E-03
8	.7949E+00	.1828E+01	.999583E+00	.100042E+01	-.124723E-03	-.417555E-03
7	.8915E+00	.1709E+01	.999909E+00	.100009E+01	-.918478E-03	-.908062E-04
6	.9655E+00	.1586E+01	.100024E+01	.999761E+00	-.743352E-03	.239218E-03
5	.1019E+01	.1465E+01	.100032E+01	.999679E+00	-.298224E-03	.321029E-03
4	.1055E+01	.1348E+01	.100006E+01	.999942E+00	.285111E-03	.579598E-04
3						

SPHERE

$R/\lambda = 1$ $\quad T_e/T_i = 1$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -1$

Z/R	ρ/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.1076E+01	.1238E+01	.999879E+00	.100012E+01	.106938E-03	-.121036E-03
.1086E+01	.1135E+01	.999770E+00	.100023E+01	-.471793E-03	-.229762E-03
.1086E+01	.1041E+01	.999359E+00	.100064E+01	-.147799E-02	-.640912E-03
.1079E+01	.9544E+00	.997710E+00	.335796E+00	.661920E+00	-.229289E-02
.1066E+01	.8759E+00	.997059E+00	.952783E-01	.901659E+00	-.294531E-02
.1050E+01	.8048E+00	.996966E+00	.185961E-01	.978187E+00	-.303887E-02
.1030E+01	.7405E+00	.996756E+00	.298250E-02	.993646E+00	-.324891E-02
.1009E+01	.6825E+00	.995432E+00	.366561E-03	.995097E+00	-.457858E-02
.9863E+00	.6301E+00	.990453E+00	.316962E-04	.990571E+00	-.959314E-02
.9630E+00	.5829E+00	.973701E+00	.323086E-05	.973696E+00	-.266512E-01
.9394E+00	.5402E+00	.918460E+00	.316337E-06	.918406E+00	-.850573E-01
.9158E+00	.5015E+00	.750836E+00	.412083E-07	.750701E+00	-.286569E+00
.8925E+00	.4665E+00	.370473E+00	.100000E+01	.000000E+00	-.992975E+00
.8696E+00	.4348E+00	.357510E+00	.100000E+01	.000000E+00	-.102959E+01
.1590E+00	.1987E+01	.998468E+00	.100153E+01	-.263359E-01	-.153334E-02
.3120E+00	.1950E+01	.997916E+00	.100209E+01	-.475071E-03	-.208632E-02
.4539E+00	.1891E+01	.100120E+01	.998801E+00	-.526628E-02	.119980E-02
.5806E+00	.1814E+01	.999545E+00	.100045E+01	.156965E-02	-.454865E-03
.6897E+00	.1724E+01	.100012E+01	.999883E+00	-.169928E-02	.117096E-03
.7802E+00	.1625E+01	.100067E+01	.999334E+00	-.119140E-02	.665765E-03
.8526E+00	.1523E+01	.100007E+01	.999926E+00	.107332E-02	.738594E-04
.9081E+00	.1419E+01	.999843E+00	.100016E+01	.680707E-03	-.156881E-03
.9484E+00	.1317E+01	.999827E+00	.100017E+01	.159949E-03	-.173097E-03
.9756E+00	.1220E+01	.999773E+00	.100023E+01	-.614598E-04	-.227187E-03
.9919E+00	.1127E+01	.999786E+00	.100021E+01	-.622720E-03	-.214249E-03
.9992E+00	.1041E+01	.999454E+00	.100055E+01	-.140383E-02	-.546242E-03
.9992E+00	.9608E+00	.997945E+00	.366477E+00	.631543E+00	-.205713E-02
.9936E+00	.8872E+00	.997083E+00	.789161E-01	.918311E+00	-.292121E-02
.9836E+00	.8197E+00	.996655E+00	.273356E-01	.969411E+00	-.335049E-02
.9703E+00	.7580E+00	.995732E+00	.269005E-02	.993029E+00	-.427721E-02
.9545E+00	.7019E+00	.992573E+00	.397191E-03	.992202E+00	-.745456E-02
.9370E+00	.6507E+00	.982958E+00	.368949E-04	.983043E+00	-.171886E-01
.9183E+00	.6042E+00	.955585E+00	.363962E-05	.955660E+00	-.454319E-01
.8989E+00	.5618E+00	.881053E+00	.350589E-06	.881051E+00	-.126637E+00
.8790E+00	.5232E+00	.698635E+00	.384764E-07	.698694E+00	-.358626E+00
.8590E+00	.4881E+00	.363445E+00	.100000E+01	.000000E+00	-.101213E+01
.8391E+00	.4560E+00	.350957E+00	.100000E+01	.000000E+00	-.104709E+01
.1364E+00	.1842E+01	.988979E+00	.101114E+01	-.199952E-01	-.110824E-01
.2685E+00	.1812E+01	.994075E+00	.100596E+01	-.320757E-02	-.594297E-02
.3922E+00	.1765E+01	.100003E+01	.999968E+00	-.690453E-02	.315758E-04
.5044E+00	.1702E+01	.999590E+00	.100041E+01	.623114E-03	-.409719E-03
.6031E+00	.1628E+01	.999874E+00	.100013E+01	-.757121E-03	-.126440E-03
.6873E+00	.1546E+01	.100066E+01	.999342E+00	-.142325E-02	.658368E-03
.7568E+00	.1459E+01	.100024E+01	.999764E+00	.352867E-03	.236136E-03
.8122E+00	.1371E+01	.999927E+00	.100007E+01	.146955E-03	-.730864E-04
.8547E+00	.1282E+01	.100003E+01	.999971E+00	-.551417E-03	.289189E-04
.8857E+00	.1196E+01	.999984E+00	.100002E+01	-.432447E-03	-.161544E-04
.9068E+00	.1113E+01	.999808E+00	.100019E+01	-.522047E-03	-.191572E-03
.9195E+00	.1034E+01	.999348E+00	.100065E+01	-.145693E-02	-.651913E-03
.9253E+00	.9609E+00	.997923E+00	.314963E+00	.682817E+00	-.207937E-02
.9253E+00	.8923E+00	.996846E+00	.103003E+00	.893817E+00	-.315873E-02
.9208E+00	.8287E+00	.995482E+00	.196400E-01	.975790E+00	-.452778E-02
.9127E+00	.7701E+00	.991942E+00	.275120E-02	.989177E+00	-.809084E-02
.9019E+00	.7162E+00	.981740E+00	.366240E-03	.981447E+00	-.184289E-01
.8889E+00	.6667E+00	.953500E+00	.365834E-04	.953422E+00	-.476161E-01
.8744E+00	.6213E+00	.878597E+00	.415543E-05	.878580E+00	-.129429E+00
.8587E+00	.5796E+00	.699651E+00	.590367E-06	.699635E+00	-.357174E+00
.8424E+00	.5415E+00	.368395E+00	.100000E+01	.000000E+00	-.998599E+00
.8255E+00	.5066E+00	.356125E+00	.100000E+01	.000000E+00	-.103247E+01
.8084E+00	.4745E+00	.344118E+00	.100000E+01	.000000E+00	-.106677E+01

SPHERE

$R/\lambda = 1$ $\quad T_e/T_i = 1$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -1$

Z/R	ρ/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.1183E+00	.1716E+01	.980719E+00	.101966E+01	-.311271E-01	-.194693E-01
.2334E+00	.1692E+01	.990827E+00	.100926E+01	-.754437E-02	-.921507E-02
.3421E+00	.1653E+01	.997436E+00	.100257E+01	-.504072E-02	-.256704E-02
.4420E+00	.1602E+01	.998620E+00	.100138E+01	.747643E-03	-.138076E-02
.5313E+00	.1541E+01	.999052E+00	.100095E+01	.840619E-03	-.948587E-03
.6091E+00	.1472E+01	.999847E+00	.100015E+01	-.195272E-03	-.152852E-03
.6750E+00	.1398E+01	.999836E+00	.100016E+01	.510402E-03	-.164168E-03
.7293E+00	.1322E+01	.999706E+00	.100029E+01	.255719E-03	-.294208E-03
.7725E+00	.1245E+01	.999884E+00	.100012E+01	-.630029E-03	-.115589E-03
.8058E+00	.1168E+01	.100004E+01	.999964E+00	-.917085E-03	.359276E-04
.8302E+00	.1094E+01	.999752E+00	.100025E+01	-.764333E-03	-.248335E-03
.8469E+00	.1023E+01	.999030E+00	.100097E+01	-.172658E-02	-.970273E-03
.8570E+00	.9558E+00	.997220E+00	.277258E+00	.720113E+00	-.278428E-02
.8615E+00	.8923E+00	.995396E+00	.681314E-01	.927231E+00	-.461451E-02
.8616E+00	.8329E+00	.991573E+00	.166171E-01	.974994E+00	-.846313E-02
.8579E+00	.7775E+00	.981268E+00	.238939E-02	.978911E+00	-.189093E-01
.8513E+00	.7261E+00	.952450E+00	.293048E-03	.952215E+00	-.487175E-01
.8423E+00	.6785E+00	.875264E+00	.331247E-04	.875278E+00	-.133230E+00
.8315E+00	.6346E+00	.692325E+00	.539164E-05	.692267E+00	-.367699E+00
.8193E+00	.5940E+00	.372272E+00	.100000E+01	.000000E+00	-.988130E+00
.8061E+00	.5566E+00	.360312E+00	.100000E+01	.000000E+00	-.102078E+01
.7922E+00	.5221E+00	.348560E+00	.100000E+01	.000000E+00	-.105394E+01
.7778E+00	.4904E+00	.337036E+00	.100000E+01	.000000E+00	-.108757E+01
.1036E+00	.1606E+01	.971508E+00	.102933E+01	-.545235E-01	-.289056E-01
.2047E+00	.1586E+01	.988794E+00	.101133E+01	-.199958E-01	-.112692E-01
.3009E+00	.1555E+01	.995322E+00	.100369E+01	-.802037E-02	-.368515E-02
.3902E+00	.1512E+01	.998124E+00	.100188E+01	-.590406E-03	-.187747E-02
.4713E+00	.1461E+01	.998418E+00	.100158E+01	.102450E-02	-.158344E-02
.5430E+00	.1403E+01	.999239E+00	.100076E+01	-.131577E-03	-.761179E-03
.6050E+00	.1340E+01	.999517E+00	.100048E+01	.232011E-03	-.483555E-03
.6574E+00	.1274E+01	.999382E+00	.100062E+01	.419684E-03	-.618444E-03
.7004E+00	.1206E+01	.999424E+00	.100058E+01	-.492282E-03	-.576301E-03
.7348E+00	.1139E+01	.999523E+00	.100048E+01	-.145390E-02	-.477491E-03
.7612E+00	.1073E+01	.999184E+00	.100082E+01	-.223120E-02	-.816719E-03
.7807E+00	.1008E+01	.997997E+00	.100201E+01	-.406352E-02	-.200538E-02
.7941E+00	.9469E+00	.995323E+00	.277698E+00	.717711E+00	-.468913E-02
.8023E+00	.8883E+00	.991246E+00	.531838E-01	.938150E+00	-.879280E-02
.8060E+00	.8329E+00	.982322E+00	.111221E-01	.971115E+00	-.178358E-01
.8060E+00	.7809E+00	.958727E+00	.171656E-02	.956852E+00	-.421492E-01
.8030E+00	.7322E+00	.893948E+00	.207056E-03	.893701E+00	-.112107E+00
.7975E+00	.6868E+00	.724828E+00	.313111E-04	.724836E+00	-.321821E+00
.7900E+00	.6445E+00	.375005E+00	.100000E+01	.000000E+00	-.980916E+00
.7809E+00	.6052E+00	.363445E+00	.100000E+01	.000000E+00	-.101213E+01
.7706E+00	.5688E+00	.352033E+00	.100000E+01	.000000E+00	-.104403E+01
.7594E+00	.5350E+00	.340794E+00	.100000E+01	.000000E+00	-.107648E+01
.7475E+00	.5037E+00	.329752E+00	.100000E+01	.000000E+00	-.110941E+01
.9149E-01	.1510E+01	.958268E+00	.104355E+01	-.827080E-01	-.426279E-01
.1810E+00	.1493E+01	.984202E+00	.101605E+01	-.339585E-01	-.159239E-01
.2667E+00	.1467E+01	.994600E+00	.100543E+01	-.144568E-01	-.541488E-02
.3469E+00	.1431E+01	.997848E+00	.100216E+01	-.507332E-02	-.215470E-02
.4205E+00	.1388E+01	.998423E+00	.100158E+01	-.150152E-02	-.157805E-02
.4866E+00	.1338E+01	.998887E+00	.100111E+01	-.136455E-02	-.111365E-02
.5447E+00	.1284E+01	.999166E+00	.100083E+01	-.124890E-02	-.834658E-03
.5948E+00	.1227E+01	.998816E+00	.100119E+01	-.829652E-03	-.118465E-02
.6369E+00	.1168E+01	.998425E+00	.100158E+01	-.178285E-02	-.157653E-02
.6716E+00	.1108E+01	.997948E+00	.100206E+01	-.367727E-02	-.205434E-02
.6993E+00	.1049E+01	.996649E+00	.100336E+01	-.656470E-02	-.335629E-02
.7207E+00	.9910E+00	.993525E+00	.100647E+01	-.112293E-01	-.649645E-02
.7365E+00	.9348E+00	.988537E+00	.101153E+01	-.166353E-01	-.115294E-01
.7475E+00	.8809E+00	.979458E+00	.102087E+01	-.280787E-01	-.207562E-01

SPHERE

$R/\lambda = 1$ $\quad T_e/T_i = 1$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -1$

	Z/R	ρ/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
	.7541E+00	.8296E+00	.960769E+00	.612208E-02	.954583E+00	-.400211E-01
	.7572E+00	.7809E+00	.919811E+00	.104287E-02	.918680E+00	-.835871E-01
	.7572E+00	.7350E+00	.828185E+00	.122765E-03	.827934E+00	-.188518E+00
	.7547E+00	.6918E+00	.645624E+00	.169621E-04	.645566E+00	-.437539E+00
	.7501E+00	.6514E+00	.365467E+00	.100000E+01	.000000E+00	-.100658E+01
	.7438E+00	.6136E+00	.354477E+00	.100000E+01	.000000E+00	-.103711E+01
	.7361E+00	.5783E+00	.343603E+00	.100000E+01	.000000E+00	-.106827E+01
	.7273E+00	.5455E+00	.332871E+00	.100000E+01	.000000E+00	-.110000E+01
	.7176E+00	.5148E+00	.322306E+00	.100000E+01	.000000E+00	-.113225E+01
	.8137E-01	.1424E+01	.940118E+00	.106370E+01	-.120530E+00	-.617504E-01
	.1612E+00	.1410E+01	.975873E+00	.102472E+01	-.507571E-01	-.244231E-01
	.2379E+00	.1388E+01	.990427E+00	.100967E+01	-.223989E-01	-.961915E-02
	.3103E+00	.1358E+01	.995860E+00	.100416E+01	-.106913E-01	-.414862E-02
	.3774E+00	.1321E+01	.997310E+00	.100270E+01	-.609406E-02	-.269377E-02
	.4383E+00	.1278E+01	.997779E+00	.100223E+01	-.536659E-02	-.222359E-02
	.4926E+00	.1232E+01	.997770E+00	.100223E+01	-.570247E-02	-.223244E-02
	.5402E+00	.1182E+01	.997045E+00	.100296E+01	-.646623E-02	-.295921E-02
	.5810E+00	.1130E+01	.995589E+00	.100443E+01	-.859252E-02	-.442078E-02
	.6154E+00	.1077E+01	.993199E+00	.100685E+01	-.131703E-01	-.682402E-02
	.6437E+00	.1024E+01	.989115E+00	.101100E+01	-.218716E-01	-.109442E-01
	.6663E+00	.9717E+00	.981057E+00	.355030E+00	.626325E+00	-.191252E-01
	.6839E+00	.9206E+00	.967177E+00	.994338E-01	.868144E+00	-.333733E-01
	.6969E+00	.8711E+00	.941978E+00	.238343E-01	.918437E+00	-.597738E-01
	.7059E+00	.8235E+00	.896473E+00	.356237E-02	.892973E+00	-.109288E+00
	.7114E+00	.7781E+00	.813336E+00	.599135E-03	.812887E+00	-.206612E+00
	.7140E+00	.7350E+00	.641749E+00	.973703E-04	.641771E+00	-.443558E+00
	.7140E+00	.6942E+00	.366341E+00	.100000E+01	.000000E+00	-.100419E+01
	.7119E+00	.6557E+00	.355850E+00	.100000E+01	.000000E+00	-.103325E+01
	.7080E+00	.6195E+00	.345413E+00	.100000E+01	.000000E+00	-.106301E+01
	.7026E+00	.5855E+00	.335064E+00	.100000E+01	.000000E+00	-.109343E+01
	.6960E+00	.5536E+00	.324829E+00	.100000E+01	.000000E+00	-.112446E+01
	.6884E+00	.5238E+00	.314734E+00	.100000E+01	.000000E+00	-.115603E+01
	.7283E-01	.1347E+01	.915866E+00	.109186E+01	-.175023E+00	-.878849E-01
	.1444E+00	.1336E+01	.962723E+00	.103872E+01	-.776257E-01	-.379900E-01
	.2135E+00	.1317E+01	.982120E+00	.101821E+01	-.367609E-01	-.180415E-01
	.2791E+00	.1291E+01	.989658E+00	.101045E+01	-.207556E-01	-.103960E-01
	.3404E+00	.1259E+01	.992307E+00	.100775E+01	-.158603E-01	-.772265E-02
	.3966E+00	.1223E+01	.992541E+00	.100752E+01	-.151907E-01	-.748737E-02
	.4473E+00	.1182E+01	.991609E+00	.100846E+01	-.175052E-01	-.842592E-02
	.4923E+00	.1138E+01	.989274E+00	.101084E+01	-.219469E-01	-.107842E-01
	.5316E+00	.1093E+01	.985128E+00	.101510E+01	-.301072E-01	-.149834E-01
	.5653E+00	.1046E+01	.977996E+00	.102250E+01	-.443446E-01	-.222502E-01
	.5936E+00	.9984E+00	.965637E+00	.405750E+00	.560058E+00	-.349673E-01
	.6170E+00	.9512E+00	.944541E+00	.208634E+00	.736245E+00	-.570567E-01
	.6357E+00	.9046E+00	.907051E+00	.532119E-01	.854278E+00	-.975566E-01
	.6503E+00	.8593E+00	.838677E+00	.114213E-01	.827463E+00	-.175929E+00
	.6611E+00	.8153E+00	.730437E+00	.239861E-02	.728006E+00	-.314112E+00
	.6686E+00	.7731E+00	.611740E+00	.397701E-03	.611339E+00	-.491447E+00
	.6733E+00	.7327E+00	.366049E+00	.100000E+01	.000000E+00	-.100499E+01
	.6754E+00	.6942E+00	.356125E+00	.100000E+01	.000000E+00	-.103247E+01
	.6754E+00	.6577E+00	.346195E+00	.100000E+01	.000000E+00	-.106075E+01
12	.6736E+00	.6231E+00	.336294E+00	.100000E+01	.000000E+00	-.108977E+01
11	.6703E+00	.5905E+00	.326455E+00	.100000E+01	.000000E+00	-.111946E+01
10	.6657E+00	.5598E+00	.316706E+00	.100000E+01	.000000E+00	-.114978E+01
9	.6600E+00	.5308E+00	.307071E+00	.100000E+01	.000000E+00	-.118068E+01
8	.6557E-01	.1279E+01	.881260E+00	.113474E+01	-.251263E+00	-.126403E+00
7	.1301E+00	.1269E+01	.940870E+00	.106285E+01	-.125734E+00	-.609499E-01
6	.1927E+00	.1252E+01	.966437E+00	.103473E+01	-.711497E-01	-.341390E-01
5	.2524E+00	.1230E+01	.976366E+00	.102421E+01	-.496328E-01	-.239176E-01
4	.3085E+00	.1203E+01	.979184E+00	.102126E+01	-.441229E-01	-.210354E-01
3						

SPHERE

$R/\lambda = 1$ $\quad T_e/T_i = 1$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -1$

Z/R	ρ/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.3604E+00	.1171E+01	.977952E+00	.102255E+01	-.467040E-01	-.222952E-01
.4077E+00	.1136E+01	.973891E+00	.102681E+01	-.548442E-01	-.264556E-01
.4502E+00	.1097E+01	.966838E+00	.103430E+01	-.690710E-01	-.337248E-01
.4878E+00	.1057E+01	.955202E+00	.104690E+01	-.928551E-01	-.458329E-01
.5206E+00	.1015E+01	.936394E+00	.106763E+01	-.133134E+00	-.657191E-01
.5486E+00	.9726E+00	.906080E+00	.346197E+00	.559190E+00	-.986275E-01
.5722E+00	.9299E+00	.855864E+00	.108659E+01	.746794E+00	-.155643E+00
.5917E+00	.8876E+00	.773832E+00	.298440E-01	.743937E+00	-.256401E+00
.6074E+00	.8460E+00	.617075E+00	.673308E-02	.610340E+00	-.482765E+00
.6196E+00	.8055E+00	.373786E+00	.100000E+01	.000000E+00	-.984073E+00
.6287E+00	.7662E+00	.364598E+00	.100000E+01	.000000E+00	-.100896E+01
.6350E+00	.7284E+00	.355299E+00	.100000E+01	.000000E+00	-.103479E+01
.6390E+00	.6922E+00	.345934E+00	.100000E+01	.000000E+00	-.106151E+01
.6408E+00	.6577E+00	.336541E+00	.100000E+01	.000000E+00	-.108904E+01
.6408E+00	.6248E+00	.327156E+00	.100000E+01	.000000E+00	-.111732E+01
.6393E+00	.5936E+00	.317811E+00	.100000E+01	.000000E+00	-.114630E+01
.6364E+00	.5641E+00	.308533E+00	.100000E+01	.000000E+00	-.117593E+01
.6324E+00	.5362E+00	.299347E+00	.100000E+01	.000000E+00	-.120615E+01
.5935E-01	.1217E+01	.832391E+00	.120136E+01	-.364876E+00	-.183453E+00
.1179E+00	.1208E+01	.900688E+00	.111026E+01	-.208149E+00	-.104597E+00
.1747E+00	.1194E+01	.931686E+00	.107332E+01	-.142099E+00	-.707596E-01
.2292E+00	.1175E+01	.943137E+00	.106029E+01	-.116820E+00	-.585436E-01
.2807E+00	.1151E+01	.944099E+00	.105921E+01	-.114588E+00	-.575243E-01
.3288E+00	.1123E+01	.938459E+00	.106558E+01	-.128418E+00	-.635159E-01
.3729E+00	.1092E+01	.926554E+00	.107927E+01	-.153979E+00	-.762833E-01
.4130E+00	.1058E+01	.909560E+00	.109943E+01	-.192363E+00	-.947947E-01
.4489E+00	.1022E+01	.881460E+00	.113448E+01	-.253956E+00	-.126176E+00
.4805E+00	.9851E+00	.837004E+00	.423265E+00	.413485E+00	-.177927E+00
.5081E+00	.9469E+00	.774915E+00	.187085E+00	.587849E+00	-.255002E+00
.5317E+00	.9083E+00	.676433E+00	.604482E-01	.615926E+00	-.390921E+00
.5515E+00	.8697E+00	.574917E+00	.131535E-01	.561638E+00	-.553529E+00
.5680E+00	.8316E+00	.370473E+00	.100000E+01	.000000E+00	-.992975E+00
.5812E+00	.7943E+00	.362015E+00	.100000E+01	.000000E+00	-.101607E+01
.5915E+00	.7579E+00	.353387E+00	.100000E+01	.000000E+00	-.104019E+01
.5992E+00	.7226E+00	.344635E+00	.100000E+01	.000000E+00	-.106527E+01
.6046E+00	.6886E+00	.335801E+00	.100000E+01	.000000E+00	-.109124E+01
.6080E+00	.6560E+00	.326922E+00	.100000E+01	.000000E+00	-.111803E+01
.6096E+00	.6248E+00	.318033E+00	.100000E+01	.000000E+00	-.114560E+01
.6096E+00	.5951E+00	.309164E+00	.100000E+01	.000000E+00	-.117388E+01
.6082E+00	.5668E+00	.300343E+00	.100000E+01	.000000E+00	-.120283E+01
.6057E+00	.5399E+00	.291593E+00	.100000E+01	.000000E+00	-.123240E+01
.5397E-01	.1160E+01	.762207E+00	.131198E+01	-.546772E+00	-.271537E+00
.1072E+00	.1153E+01	.831134E+00	.120317E+01	-.370894E+00	-.184964E+00
.1592E+00	.1141E+01	.862103E+00	.115995E+01	-.297080E+00	-.148381E+00
.2091E+00	.1124E+01	.871982E+00	.114681E+01	-.273805E+00	-.136987E+00
.2565E+00	.1103E+01	.867466E+00	.115278E+01	-.283422E+00	-.142178E+00
.3011E+00	.1079E+01	.849797E+00	.117675E+01	-.323690E+00	-.162758E+00
.3423E+00	.1051E+01	.821575E+00	.121717E+01	-.395298E+00	-.196532E+00
.3800E+00	.1021E+01	.788625E+00	.126803E+01	-.479167E+00	-.237464E+00
.4142E+00	.9894E+00	.735946E+00	.523383E+00	.211930E+00	-.306599E+00
.4446E+00	.9560E+00	.647948E+00	.275534E+00	.372052E+00	-.433946E+00
.4715E+00	.9216E+00	.558561E+00	.900019E-01	.468054E+00	-.582391E+00
.4948E+00	.8866E+00	.373482E+00	.100000E+01	.000000E+00	-.984886E+00
.5149E+00	.8515E+00	.366049E+00	.100000E+01	.000000E+00	-.100499E+01
.5317E+00	.8166E+00	.358346E+00	.100000E+01	.000000E+00	-.102626E+01
.5457E+00	.7821E+00	.350422E+00	.100000E+01	.000000E+00	-.104862E+01
.5569E+00	.7483E+00	.342321E+00	.100000E+01	.000000E+00	-.107201E+01
.5657E+00	.7155E+00	.334086E+00	.100000E+01	.000000E+00	-.109636E+01
.5723E+00	.6836E+00	.325756E+00	.100000E+01	.000000E+00	-.112161E+01
.5770E+00	.6529E+00	.317368E+00	.100000E+01	.000000E+00	-.114769E+01

SPHERE

$R/\lambda = 1$ $\quad T_e/T_i = 1$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -1$

Z/R	ρ/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.5799E+00	.6234E+00	.308954E+00	.100000E+01	.000000E+00	-.117456E+01
.5812E+00	.5951E+00	.300543E+00	.100000E+01	.000000E+00	-.120216E+01
.5812E+00	.5680E+00	.292162E+00	.100000E+01	.000000E+00	-.123045E+01
.5801E+00	.5422E+00	.283834E+00	.100000E+01	.000000E+00	-.125936E+01
.4929E-01	.1109E+01	.662299E+00	.150989E+01	-.844768E+00	-.412038E+00
.9799E-01	.1102E+01	.716778E+00	.139513E+01	-.678899E+00	-.332989E+00
.1456E+00	.1092E+01	.740922E+00	.134967E+01	-.613560E+00	-.299860E+00
.1915E+00	.1077E+01	.744993E+00	.134229E+01	-.599918E+00	-.294380E+00
.2353E+00	.1059E+01	.731219E+00	.136758E+01	-.635811E+00	-.313042E+00
.2766E+00	.1037E+01	.695868E+00	.143705E+01	-.742216E+00	-.362595E+00
.3152E+00	.1013E+01	.634547E+00	.157593E+01	-.941917E+00	-.454844E+00
.3507E+00	.9864E+00	.595134E+00	.645689E+00	-.505890E-01	-.518968E+00
.3831E+00	.9579E+00	.528379E+00	.325661E+00	.202821E+00	-.637941E+00
.4124E+00	.9278E+00	.373482E+00	.100000E+01	.000000E+00	-.984886E+00
.4384E+00	.8968E+00	.367218E+00	.100000E+01	.000000E+00	-.100180E+01
.4614E+00	.8651E+00	.360595E+00	.100000E+01	.000000E+00	-.102000E+01
.4813E+00	.8330E+00	.353659E+00	.100000E+01	.000000E+00	-.103942E+01
.4984E+00	.8010E+00	.346456E+00	.100000E+01	.000000E+00	-.106000E+01
.5128E+00	.7692E+00	.339030E+00	.100000E+01	.000000E+00	-.108167E+01
.5248E+00	.7379E+00	.331425E+00	.100000E+01	.000000E+00	-.110435E+01
.5344E+00	.7073E+00	.323678E+00	.100000E+01	.000000E+00	-.112801E+01
.5420E+00	.6775E+00	.315826E+00	.100000E+01	.000000E+00	-.115256E+01
.5477E+00	.6486E+00	.307905E+00	.100000E+01	.000000E+00	-.117796E+01
.5517E+00	.6207E+00	.299944E+00	.100000E+01	.000000E+00	-.120416E+01
.5542E+00	.5938E+00	.291972E+00	.100000E+01	.000000E+00	-.123110E+01
.5554E+00	.5680E+00	.284015E+00	.100000E+01	.000000E+00	-.125873E+01
.5554E+00	.5433E+00	.276095E+00	.100000E+01	.000000E+00	-.128701E+01

CYLINDER

$R/\lambda = 20$ $\quad T_e/T_i = 1$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -1$

	Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
	.2500E+02	.0000E+00	.9710488E+00	.9710488E+00	-.1862265E-06	-.2937988E-01
	.1250E+02	.0000E+00	.8490559E+00	.8490555E+00	.3933691E-05	-.1063627E+00
	.8333E+01	.0000E+00	.5094088E+00	.5093006E+00	.1082923E-04	-.5063659E+00
	.6250E+01	.0000E+00	.2904516E+00	.2857644E+00	-.1818813E-01	-.1228882E+01
	.5000E+01	.0000E+00	.1513593E+00	.1364988E+00	.1506873E-01	-.1687988E+01
	.4167E+01	.0000E+00	.1149795E+00	.5253158E-01	.6244924E-01	-.2163000E+01
	.3571E+01	.0000E+00	.1022216E+00	.1797495E-01	.8424693E-01	-.2280566E+01
	.3125E+01	.0000E+00	.9641526E-01	.5575806E-02	.9221095E-01	-.2339909E+01
	.2778E+01	.0000E+00	.9434038E-01	.1597288E-02	.9419514E-01	-.2360788E+01
	.2500E+01	.0000E+00	.9370716E-01	.4285646E-03	.9475495E-01	-.2367588E+01
12	.2273E+01	.0000E+00	.9306952E-01	.1095688E-03	.9495913E-01	-.2368867E+01
11	.2083E+01	.0000E+00	.9306942E-01	.2692111E-04	.9517495E-01	-.2367728E+01
10	.1923E+01	.0000E+00	.9385222E-01	.6463446E-05	.9538623E-01	-.2366038E+01
9	.1786E+01	.0000E+00	.9403688E-01	.1528408E-05	.9556111E-01	-.2364058E+01
8	.1667E+01	.0000E+00	.9424334E-01	.3603522E-06	.9577306E-01	-.2361878E+01
7	.1563E+01	.0000E+00	.9447438E-01	.8726868E-07	.9600818E-01	-.2359438E+01
6	.1471E+01	.0000E+00	.9479059E-01	.2272948E-07	.9632226E-01	-.2356088E+01
5	.1389E+01	.0000E+00	.9540768E-01	.7073668E-08	.9691918E-01	-.2349668E+01
4	.1316E+01	.0000E+00	.9685118E-01	.3502768E-08	.9835118E-01	-.2334178E+01
3						

CYLINDER

$R/\lambda = 20$ $\quad T_e/T_i = 1$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -1$

Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$	
.1250E+01	.0000E+00	.1004 37E+00	.2616 03E-08	.1018 02E+00	-.2298 23E+01	
.1190E+01	.0000E+00	.1082 45E+00	.2354 32E-08	.1094 78E+00	-.2223 36E+01	
.1136E+01	.0000E+00	.1242 46E+00	.1370 17E-08	.1255 95E+00	-.2085 49E+01	
.1087E+01	.0000E+00	.1560 64E+00	.1195 63E-08	.1580 63E+00	-.1857 49E+01	
.1250E+02	.1250E+02	.1000 00E+01	.1000 00E+01	-.4842 88E-06	-.2357 88E-06	
.1000E+02	.5000E+01	.9999 92E+00	.1000 01E+01	-.1616 03E-04	-.8270 44E-05	
.7500E+01	.2500E+01	.9998 87E+00	.1000 11E+01	-.2246 20E-03	-.1129 63E-03	
.5882E+01	.1471E+01	.9992 82E+00	.1000 72E+01	-.1449 84E-02	-.7173 58E-03	
.4800E+01	.9615E+00	.9867 16E+00	.9926 23E+00	-.5903 82E-02	-.1337 35E-01	
.4054E+01	.6757E+00	.7049 59E+00	.7160 66E+00	-.1100 88E-01	-.3495 64E+00	
.3500E+01	.5000E+00	.2938 04E+00	.3044 33E+00	-.1249 08E-01	-.1224 84E+01	
.3077E+01	.3846E+00	.1323 09E+00	.8298 77E-01	.4956 43E-01	-.2022 61E+01	
.2744E+01	.3049E+00	.1031 48E+00	.1777 20E-01	.8536 74E-01	-.2271 59E+01	
.2475E+01	.2475E+00	.9588 37E-01	.3288 63E-02	.9359 32E-01	-.2345 10E+01	
.2254E+01	.2049E+00	.9395 49E-01	.9553 41E-03	.9479 55E-01	-.2365 47E+01	
.2069E+01	.1724E+00	.9344 02E-01	.8750 72E-04	.9482 55E-01	-.2370 43E+01	
.1912E+01	.1471E+00	.9340 56E-01	.1330 63E-04	.9480 79E-01	-.2370 80E+01	
.1777E+01	.1269E+00	.9351 09E-01	.1967 62E-05	.9500 45E-01	-.2369 66E+01	
.1659E+01	.1106E+00	.9367 32E-01	.2846 27E-06	.9517 43E-01	-.2367 94E+01	
.1556E+01	.9728E-01	.9387 85E-01	.4152 55E-07	.9538 31E-01	-.2365 75E+01	
.1466E+01	.9621E-01	.9418 20E-01	.6750 07E-08	.9568 29E-01	-.2362 53E+01	
.1385E+01	.7692E-01	.9480 34E-01	.1563 12E-08	.9628 34E-01	-.2355 95E+01	
.1312E+01	.6900E-01	.9632 08E-01	.8838 14E-09	.9774 83E-01	-.2340 07E+01	
.1247E+01	.6234E-01	.9994 08E-01	.4372 02E-09	.1012 73E+00	-.2303 18E+01	
.1188E+01	.5656E-01	.1078 67E+00	.4130 05E-09	.1096 61E+00	-.2220 66E+01	
.1134E+01	.5155E-01	.1240 21E+00	.2642 28E-09	.1258 42E+00	-.2068 31E+01	
.1085E+01	.4717E-01	.1559 99E+00	.1501 54E-09	.1568 16E+00	-.1857 91E+01	
.5000E+01	.1000E+02	.1000 00E+01	.1000 00E+01	.7435 58E-08	-.2254 56E-08	
.6250E+01	.6250E+01	.1000 00E+01	.1000 00E+01	-.7450 58E-08	-.7077 60E-09	
.5769E+01	.3846E+01	.1000 00E+01	.1000 00E+01	-.6705 52E-07	-.5233 24E-07	
.5000E+01	.2500E+01	.1000 00E+01	.1000 00E+01	-.1655 13E-05	-.4073 84E-06	
.4310E+01	.1724E+01	.9999 71E+00	.1000 03E+01	-.4101 54E-04	-.2902 77E-04	
.3750E+01	.1250E+01	.9982 70E+00	.1001 73E+01	-.3468 48E-02	-.1731 19E-02	
.3302E+01	.9434E+00	.9819 83E+00	.9830 61E+00	-.1081 85E-01	-.1986 51E+00	
.2941E+01	.7353E+00	.9541 33E+00	.9235 78E+00	-.2945 44E-01	-.5206 52E+00	
.2647E+01	.5882E+00	.9236 82E+00	.8308 68E+00	.5290 81E-02	-.1435 77E+01	
.2404E+01	.4808E+00	.8946 71E+00	.8328 05E-01	.7208 76E-01	-.2082 07E+01	
.2200E+01	.4000E+00	.1010 32E+00	.9474 79E-02	.9276 33E-01	-.2292 21E+01	
.2027E+01	.3378E+00	.9528 46E-01	.1453 63E-02	.9521 10E-01	-.2350 89E+01	
.1879E+01	.2879E+00	.9380 26E-01	.2045 15E-03	.9504 36E-01	-.2366 56E+01	
.1750E+01	.2500E+00	.9345 23E-01	.2740 57E-04	.9486 96E-01	-.2370 30E+01	
.1638E+01	.2183E+00	.9343 98E-01	.3579 70E-05	.9491 85E-01	-.2370 44E+01	
.1538E+01	.1923E+00	.9351 18E-01	.4606 92E-06	.9500 48E-01	-.2369 13E+01	
.1451E+01	.1706E+00	.9362 46E-01	.5930 16E-07	.9503 64E-01	-.2366 03E+01	
.1372E+01	.1524E+00	.9444 70E-01	.8423 14E-08	.9550 50E-01	-.2359 72E+01	
.1301E+01	.1370E+00	.9600 57E-01	.1727 12E-08	.9742 79E-01	-.2343 14E+01	
.1238E+01	.1238E+00	.9979 11E-01	.8958 91E-09	.1010 95E+00	-.2304 68E+01	
.1180E+01	.1124E+00	.1079 57E+00	.4327 27E-09	.1091 22E+00	-.2220 62E+01	
.1127E+01	.1025E+00	.1244 26E+00	.3936 72E-09	.1254 19E+00	-.2084 05E+01	
.1079E+01	.9381E-01	.1567 20E+00	.2334 49E-09	.1575 12E+00	-.1853 30E+01	
.2500E+01	.7500E+01	.1000 00E+01	.1000 00E+01	-.7450 58E-08	.3378 84E-08	
.3846E+01	.5769E+01	.1000 00E+01	.1000 00E+01	.7450 58E-08	-.4939 00E-08	
.4167E+01	.4167E+01	.1000 00E+01	.1000 00E+01	.7450 58E-08	-.3504 01E-08	
.4000E+01	.3000E+01	.1000 00E+01	.1000 00E+01	.7450 58E-08	-.4022 01E-08	
.3676E+01	.2206E+01	.9999 99E+00	.1000 00E+01	.9015 20E-06	-.5376 64E-06	
.3333E+01	.1667E+01	.9999 50E+00	.1000 04E+01	-.3053 47E-04	-.9905 71E-05	
.3017E+01	.1293E+01	.9986 29E+00	.1001 38E+01	-.2700 48E-02	-.1375 72E-02	
.2740E+01	.1027E+01	.9904 72E+00	.1009 62E+01	-.1915 78E-01	-.9573 46E-02	
.2500E+01	.8333E+00	.9665 95E+00	.1032 55E+01	-.3165 18E-01	-.4141 99E+00	
.2294E+01	.6881E+00	.9117 51E+00	.1092 61E+01	-.1857 88E-01	-.1165 55E+01	

CYLINDER

$R/\lambda = 20$ $\quad T_e/T_i = 1$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = 1$

Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.2115E+01	.576E+00	.145956E+00	.8C7C46E-01	.65c09EE-01	-.192449E+01
.196IE+01	.49C2E+00	.1C6541E+00	.142C54E-01	.9538ZCE-01	-.223923E+01
.1b2EE+01	.4213E+00	.9e89e3E-01	.20e275F-02	.961478E-01	-.233411E+01
.17C7E+01	.3e59E+00	.943319E-01	.2eE623E-03	.9547s9E-01	-.236C94E+01
.1eC3E+01	.3205E+00	.9366S3E-01	.33C159E-04	.95C625E-01	-.23683CE+01
.15C9E+01	.2E3CE+00	.9351E3E-01	.3949751-05	.9496a2E-01	-.22e96CE+01
.142oE+01	.2517E+00	.9se9C7E-01	.46e2C8L-06	.9515E5E-01	-.23c776E+01
.1351E+01	.2252E+00	.9431S9E-01	.553340E-07	.9575S8E-01	-.236111E+01
.1284E+01	.2027E+00	.9e0C72E-01	.7419I0E-08	.9738c5E-01	-.234333E+01
.1222E+01	.1834E+00	.10CC32E+00	.1537CCE-08	.1013CEE+00	-.230227E+01
.1167E+01	.1667E+00	.1086295+00	.8501S1E-09	.1C9762E+00	-.2219a1E+01
.1116E+01	.1521E+00	.1258B5E+00	.4C41E7L-09	.12e647E+00	-.207398E+01
.1C69E+01	.1394E+00	.158586E+00	.343992E-09	.159347E+00	-.18414eE+01
.1471E+01	.5E82E+01	.1000CCE+01	.1CCOCOE+01	-.745058E-08	.257774E-08
.25C0E+01	.5CCCE+01	.10CCCCE+01	.1CCCC0E+01	.745C58E-08	-.1e4212E-08
.30C0E+01	.4CCCE+01	.10CCCCE+01	.1CCCCCE+01	.745058E-08	-.192e31E-08
.3125E+01	.3125E+01	.100C1CE+01	.1CCCCCE+01	.745058E-08	-.4CC006E-08
.3C49E+01	.2439E+01	.10CCCCE+01	.1CCCCCE+01	.859407CE-07	-.325737E-07
.2885E+01	.1923E+01	.1CCCCCE+01	.999999E+00	-.2058e6E-05	.642153E-06
.2E92E+01	.153eE+01	.999982E+00	.1CCCC2E+01	-.179112E-04	-.175082E-04
.25CCE+01	.125CE+01	.9997C1E+00	.1CCC30E+01	-.6C1023E-03	-.2994S4E-03
.2320E+01	.1031E+01	.9e5C34E+00	.1C1514E+01	-.3C0e1CE-01	-.150282E-01
.2155E+01	.8e21E+00	.8419?4E+00	.6751S3E+00	-.333155E-01	-.4432C7E+00
.20C7E+01	.7299E+00	.3077S4E+00	.3195S7L+00	-.11d951E-01	-.117d33E+01
.1875E+01	.e25CE+00	.150423E+00	.7925C6E-01	.71538eE-01	-.1e943CE+01
.1757E+01	.5405E+00	.1C8759E+00	.1342S8E-01	.9e3e0EE-01	-.221826E+01
.1e51E+01	.4717E+00	.9786e6E-01	.1841S5L-02	.9730I3E-01	-.232418E+01
.1556E+01	.4149E+00	.9476C6E-01	.2247Z4E-03	.9553?8E-01	-.235634E+01
.1471E+01	.3e7eE+00	.938e25E-01	.258310E-04	.9529e7E-01	-.236571E+01
.139eE+01	.3279E+00	.9380BCE-01	.2892486-05	.9525i4E-01	-.23e65CE+01
.1324E+01	.2941E+00	.9442CCE-01	.3194646-06	.95e399E-01	-.23C0CCE+01
.126CE+01	.2653E+00	.9e3C17E-01	.3e19EEL-07	.9756555-01	-.2340Z7E+01
.12C2E+01	.24C4E+00	.1007C5E+00	.4927C1E-08	.1C201CE+00	-.229496E+01
.1149E+01	.2138E+00	.110112E+00	.1188725-08	.1112I1E+00	-.22C626E+01
.1100E+01	.2000E+00	.1282eCE+00	.756234E-09	.1291846+00	-.20537CE+01
.1055E+01	.1e35E+00	.162442E+00	.3442936-09	.1631666+00	-.181743E+01
.9615E+00	.48C6E+01	.1000CCE+01	.1CCCC0E+01	.7450588-08	-.4C6765E-08
.1724E+01	.4310E+01	.1000CCE+01	.1CCCCCE+01	-.745058E-08	.1951C4E-08
.22C6E+01	.3E76E+01	.1000CCE+01	.1CCCCCE+01	-.745C58E-08	.541627E-08
.2439E+01	.3C49E+01	.10CCCCE+01	.1CCCCCE+01	.745058E-08	-.142034E-08
.25C0E+01	.25CCE+01	.1000CCE+01	.1CCCCCE+01	.745C58E-08	-.6C4661E-08
.2459E+01	.2C49E+01	.10CCCCE+01	.1CCCCCE+01	-.2586023E-07	.131347E-07
.23e5E+01	.1e85E+01	.10CCCCE+01	.1CCCCCE+01	-.1400715-05	-.178591E-06
.2247E+01	.14C4E+01	.9999977E+00	.1CCCC2E+01	-.2221eCE-04	-.231610E-04
.2123E+01	.1179E+01	.999C87E+00	.1CCC91E+01	-.1877576-02	-.913122E-03
.2CC0E+01	.1CCCE+01	.97C972E+00	.1C2990E+01	-.5E8985E-01	-.294578E-01
.1884E+01	.85e2E+00	.54eC48E+00	.5e4326E+00	-.3833C6E-01	-.6C5049E+00
.1775E+01	.7396E+00	.2eC111E+00	.25C535E+00	.9E7034E-02	-.13466SE+01
.1e79E+01	.6443E+00	.140907E+00	.563486L-01	.8515e9E-01	-.195965E+01
.1584E+01	.5e56E+00	.1075176+00	.8835S9E-02	.9973C6E-01	-.223010E+01
.15C0E+01	.5CCCE+00	.9795E0E-01	.1131236-02	.9806e9E-01	-.232344E+01
.1423E+01	.4446E+00	.9502S2E-01	.1296e3E-03	.9628ZCE-01	-.235358E+01
.1354E+01	.3981E+00	.9431Z5E-01	.1405296-04	.9571C6E-01	-.236114E+01
.1289E+01	.3562E+00	.94d334E-01	.1497C4E-05	.9622J4E-01	-.2355e2E+01
.1231E+01	.3238E+00	.9700C1E-01	.1572e9E-06	.9682I4E-01	-.233303E+01
.117eE+01	.2941E+00	.1021CCE+00	.1759478-07	.1035721+00	-.22d11eE+01
.1127E+01	.2694E+00	.1127731+00	.2733S0E-08	.1138251+00	-.21B239E+01
.1081E+01	.2496E+00	.1236972E+00	.8e1761E-09	.1238852E+00	-.2017e1E+01
.1038E+01	.2256E+00	.1701S2E+00	.3470716-09	.1706276+00	-.177100E+01
.e757E+00	.4094E+01	.1000CCE+01	.1CCCCCE+01	.7450588-08	-.4404C4E-08

CYLINDER

$R/\lambda = 20$ $\quad T_e/T_i = 1$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -1$

	Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
	.1250E+01	.3730E+01	.1000000E+01	.1000000E+01	.7450588E-08	-.1017998E-08
	.1667E+01	.3333E+01	.1000000E+01	.1000000E+01	-.7450588E-08	.5066644E-08
	.1923E+01	.2885E+01	.1000000E+01	.1000000E+01	.7450588E-08	-.2346933E-08
	.2049E+01	.2459E+01	.1000000E+01	.1000000E+01	-.2980232E-07	.2125944E-07
	.2083E+01	.2083E+01	.9999999E+00	.1000000E+01	.2115966E-05	-.1170658E-05
	.2059E+01	.1765E+01	.1000011E+01	.9999991E+00	-.1916291E-04	.9349344E-05
	.2000E+01	.1500E+01	.9999638E+00	.1000046E+01	.5736955E-04	-.3716211E-04
	.1923E+01	.1282E+01	.9997346E+00	.1000278E+01	-.6853495E-03	-.2657546E-03
	.1838E+01	.1103E+01	.9989018E+00	.1011228E+01	-.2230346E-01	-.1116126E-01
	.1752E+01	.9554E+00	.7302166E+00	.7553506E+00	-.2514066E-01	-.9144156E+00
	.1667E+01	.8333E+00	.4257176E+00	.4776066E+00	-.5160986E-01	-.8539816E+00
	.1588E+01	.7317E+00	.2029976E+00	.1546166E+00	.4876066E-01	-.1594506E+01
	.1509E+01	.6466E+00	.1271876E+00	.2996376E-01	.9826916E-01	-.2066216E+01
	.1427E+01	.5747E+00	.1045926E+00	.4241836E-02	.1014826E+00	-.2257696E+01
	.1370E+01	.5137E+00	.9751876E-01	.5026356E-03	.9831296E-01	-.2327716E+01
	.1308E+01	.4615E+00	.9544976E-01	.5432316E-04	.9207536E-01	-.2349166E+01
	.1250E+01	.4167E+00	.9570826E-01	.5628796E-05	.9704776E-01	-.2346456E+01
	.1196E+01	.3778E+00	.9626106E-01	.5712136E-06	.9553446E-01	-.2320136E+01
	.1147E+01	.3440E+00	.1044706E+00	.5751486E-07	.1038625E+00	-.2258666E+01
	.1101E+01	.3145E+00	.1170676E+00	.6435306E-08	.1180696E+00	-.2145016E+01
	.1058E+01	.2885E+00	.1409876E+00	.1175576E-08	.1418116E+00	-.1959096E+01
	.1018E+01	.2655E+00	.1855096E+00	.6056456E-09	.1860216E+00	-.1684656E+01
	.5000E+00	.3500E+01	.1000000E+01	.1000000E+01	-.7450588E-08	.4343336E-08
	.9434E+00	.3302E+01	.1000000E+01	.1000000E+01	.7450588E-08	-.3590826E-08
	.1293E+01	.3017E+01	.1000000E+01	.1000000E+01	.7450588E-08	.1197336E-10
	.1539E+01	.2692E+01	.1000000E+01	.1000000E+01	.8594076E-07	-.4364646E-07
	.1689E+01	.2365E+01	.9999999E+00	.1000000E+01	.1221956E-05	-.6725206E-06
	.1765E+01	.2059E+01	.1000001E+01	.9999991E+00	-.1654456E-04	.8867696E-05
	.1766E+01	.1786E+01	.9999964E+00	.1000046E+01	.8311676E-04	-.3564266E-04
	.1770E+01	.1549E+01	.1000005E+01	.9999952E+00	-.1403396E-03	.4821126E-04
	.1731E+01	.1346E+01	.9999922E+00	.1000088E+01	-.1071996E-03	-.7845226E-04
	.1677E+01	.1174E+01	.9997996E+00	.1001206E+01	-.4176216E-02	-.2062886E-02
	.1618E+01	.1029E+01	.9958304E+00	.1043516E+01	-.8511786E-01	-.4258996E-01
	.1554E+01	.9087E+00	.5688914E+00	.6183446E+00	-.4933776E-01	-.5640266E+00
	.1491E+01	.8028E+00	.2869816E+00	.2849226E+00	.2391246E-02	-.1248346E+01
	.1429E+01	.7143E+00	.1579216E+00	.7336556E-01	.8523476E-01	-.1844286E+01
	.1369E+01	.6387E+00	.1156086E+00	.1201516E-01	.1045836E+00	-.2157556E+01
	.1311E+01	.5738E+00	.1018386E+00	.1526286E-02	.1026116E+00	-.2284386E+01
	.1257E+01	.5178E+00	.9756306E-01	.1670216E-03	.9586186E-01	-.2327876E+01
	.1206E+01	.4692E+00	.9725546E-01	.1711516E-04	.9853896E-01	-.2330426E+01
	.1159E+01	.4268E+00	.1003026E+00	.1694496E-05	.1015116E+00	-.2299576E+01
	.1114E+01	.3898E+00	.1079426E+00	.1622706E-06	.1095036E+00	-.2226176E+01
	.1071E+01	.3571E+00	.1233276E+00	.1556396E-07	.1242636E+00	-.2095296E+01
	.1032E+01	.3285E+00	.1529526E+00	.2131436E-08	.1537486E+00	-.1877376E+01
	.9948E+00	.3028E+00	.2156836E+00	.5941066E-09	.2140056E+00	-.1544206E+01
	.9846E+00	.3077E+01	.1000000E+01	.1000000E+01	.7450588E-08	-.4981576E-08
	.7353E+00	.2941E+01	.1000000E+01	.1000000E+01	-.7450588E-08	.1250566E-07
	.1027E+01	.2740E+01	.1000000E+01	.1000000E+01	.9611256E-06	-.4982566E-06
	.1250E+01	.2500E+01	.1000000E+01	.9999999E+00	-.2391646E-05	.1115886E-05
	.1404E+01	.2247E+01	.1000000E+01	.9999999E+00	-.2235176E-05	.1280396E-05
	.1500E+01	.2000E+01	.9999992E+00	.1000002E+01	.4077174E-04	-.1753886E-04
12	.1549E+01	.1777E+01	.1000002E+01	.9999986E+00	-.5622056E-04	.1710626E-04
11	.1563E+01	.1563E+01	.1000004E+01	.9999976E+00	-.1286016E-03	.6101956E-04
10	.1554E+01	.1379E+01	.9999821E+00	.1000118E+01	.8371476E-04	-.1124266E-03
9	.1524E+01	.1220E+01	.9996634E+00	.1001187E+01	-.2444696E-02	-.1366076E-02
8	.1481E+01	.1081E+01	.9736726E+00	.1027046E+01	-.5335826E-01	-.2668076E-01
7	.1442E+01	.9615E+00	.6640996E+00	.6823456E+00	.1762076E-01	-.4447236E+00
6	.1395E+01	.8584E+00	.3705686E+00	.4015206E+00	-.3096186E-01	-.9927176E+00
5	.1346E+01	.7692E+00	.1966286E+00	.1346826E+00	.6263656E-01	-.1662926E+01
4	.1296E+01	.6926E+00	.1306726E+00	.2632636E-01	.1043336E+00	-.2035056E+01
3						

CYLINDER

$R/\lambda = 20$ $T_e/T_i = 1$ $V/C_i = 8$ $e\phi_s/KT_e = -1$

Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.1250E+01	.6250E+00	.1081166E+00	.2625648-02	.1055688E+00	-.2224558+01
.1204E+01	.5666E+00	.1006948E+00	.4132528-03	.1014698E+00	-.2295678+01
.1160E+01	.5155E+00	.9573758-01	.4241398-04	.1008958E+00	-.2305218+01
.1116E+01	.4706E+00	.1034398E+00	.4123508-05	.1045628E+00	-.2268778+01
.1078E+01	.4316E+00	.1129378E+00	.3811478-06	.1139448E+00	-.2180928+01
.1040E+01	.3960E+00	.1316738E+00	.3351658-07	.1326278E+00	-.2027438+01
.1004E+01	.3650E+00	.1666768E+00	.3462608-08	.1673428E+00	-.1791748+01
.9696E+00	.3373E+00	.2329168E+00	.6735558-09	.2332498E+00	-.1457068+01
.9049E+00	.2744E+01	.1000006E+01	.1000008E+01	-.9611258-06	.4256818-06
.5682E+00	.2647E+01	.9999998E+00	.1000000E+01	.9611258-06	-.5863668-06
.8233E+00	.2500E+01	.1000018E+01	.9999998E+00	.1008787E-04	.5153748-05
.1031E+01	.2332E+01	.9999928E+00	.1000018E+01	.1808008E-04	-.5160148-05
.1179E+01	.2123E+01	.1000018E+01	.9999998E+00	.1195078E-04	.5118598-05
.1282E+01	.1923E+01	.1000018E+01	.9999988E+00	.1370818E-04	.1153828-04
.1346E+01	.1731E+01	.1000048E+01	.9999618E+00	.6273398E-04	.3926798-04
.1379E+01	.1552E+01	.9999928E+00	.1000078E+01	.1835508E-03	-.7162758-04
.1369E+01	.1389E+01	.9999148E+00	.1000098E+01	.4775088E-04	-.8615048-04
.1381E+01	.1243E+01	.9995528E+00	.1000458E+01	-.1147108E-02	-.4479458E-03
.1361E+01	.1114E+01	.9922018E+00	.1007868E+01	-.1596198E-01	-.7826588E-02
.1333E+01	.1000E+01	.9696888E+00	.1100018E+01	-.1306758E+00	-.9532198E-01
.1300E+01	.9000E+00	.4481988E+00	.4462118E+00	.2294318E-02	-.8025248+00
.1264E+01	.8123E+00	.2364678E+00	.1981518E+00	.4065448E-01	-.1463528+01
.1225E+01	.7353E+00	.1483788E+00	.4612898E-01	.1020558E+00	-.1907998+01
.1187E+01	.6677E+00	.1160698E+00	.7010418E-02	.1100438E+00	-.2153578+01
.1149E+01	.6081E+00	.1051398E+00	.8319218E-03	.1043878E+00	-.2252478+01
.1111E+01	.5555E+00	.1034638E+00	.8613978E-04	.1044658E+00	-.2268548+01
.1075E+01	.5096E+00	.1081958E+00	.8242948E-05	.1091688E+00	-.2224198+01
.1040E+01	.4678E+00	.1202608E+00	.7358018E-06	.1211658E+00	-.2118108+01
.1006E+01	.4310E+00	.1438398E+00	.6068158E-07	.1445968E+00	-.1939068+01
.9735E+00	.3982E+00	.1673228E+00	.5148378E-08	.1678928E+00	-.1674938+01
.9426E+00	.3689E+00	.2085978E+00	.7241168E-09	.2654058E+00	-.1327608+01
.2475E+00	.2475E+01	.9999998E+00	.1000000E+01	.3188858E-05	-.1319958E-05
.4808E+00	.2404E+01	.1000008E+01	.9999998E+00	-.6622378E-05	.3794918E-05
.6881E+00	.2294E+01	.9999978E+00	.1000028E+01	.4908218E-04	-.2225188E-04
.8821E+00	.2155E+01	.1000038E+01	.9999748E+00	-.5991018E-04	.2567028E-04
.1000E+01	.2000E+01	.9999978E+00	.1000038E+01	.6932778E-04	-.2971148E-04
.1103E+01	.1838E+01	.1000048E+01	.9999658E+00	-.8188428E-04	.3512028E-04
.1174E+01	.1678E+01	.9998698E+00	.1000138E+01	.2868228E-03	-.1306998E-03
.1220E+01	.1524E+01	.1000068E+01	.9999388E+00	.1924718E-03	.8178928E-04
.1243E+01	.1381E+01	.1000098E+01	.9999478E+00	-.2025668E-03	.8264528E-04
.1250E+01	.1250E+01	.9999498E+00	.1000508E+01	-.5999288E-03	-.5043798E-03
.1244E+01	.1131E+01	.9994248E+00	.1000618E+01	-.1162458E-01	-.5993798E-02
.1230E+01	.1025E+01	.9938718E+00	.1071278E+01	-.1380868E+00	-.6884518E-01
.1206E+01	.9294E+00	.5039878E+00	.5131988E+00	-.8954838E-02	-.6852058E+00
.1182E+01	.8446E+00	.2766058E+00	.2557618E+00	.2278708E-01	-.1287238E+01
.1154E+01	.7692E+00	.1664728E+00	.6736828E-01	.9958648E-01	-.1792928E+01
.1124E+01	.7022E+00	.1251058E+00	.1114458E-01	.1148378E+00	-.2078608E+01
.1093E+01	.6427E+00	.1108648E+00	.1379018E-02	.1104818E+00	-.2199278E+01
.1061E+01	.5895E+00	.1087998E+00	.1441028E-03	.1093158E+00	-.2218258E+01
.1030E+01	.5423E+00	.1150758E+00	.1331798E-04	.1149958E+00	-.2162178E+01
.1000E+01	.5000E+00	.1309498E+00	.1197178E-05	.1317368E+00	-.2032958E+01
.9704E+00	.4621E+00	.1620798E+00	.8823628E-07	.1627228E+00	-.1915678E+01
.9418E+00	.4281E+00	.2283508E+00	.6205668E-08	.2283098E+00	-.1495108E+01
.9141E+00	.3975E+00	.3578758E+00	.1000008E+01	.0000008E+00	-.1000008E+01
.2049E+00	.2254E+01	.9999998E+00	.1000008E+01	.2808678E-05	-.7213578E-06
.4000E+00	.2200E+01	.9999938E+00	.1000018E+01	.1904378E-04	-.1136878E-04
.5769E+00	.2115E+01	.1000048E+01	.9999958E+00	-.9492048E-04	.4139648E-04
.7299E+00	.2007E+01	.9999978E+00	.1000038E+01	.6950658E-04	-.2497868E-04
.8562E+00	.1884E+01	.1000038E+01	.9999748E+00	-.7595908E-04	.2600508E-04
.9554E+00	.1752E+01	.9999948E+00	.1000058E+01	.1205228E-03	-.5343118E-04

CYLINDER

$R/\lambda = 20$ $T_e/T_i = 1$ $V/C_i = 8$ $e\phi_s/KT_e = -1$

Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.1029E+01	.1618E+01	.1000E+01	.9998E+00	-.4181E-03	.1657E-03
.1021E+01	.1488E+01	.9999E+00	.1000E+01	.2264E-03	-.8709E-04
.1114E+01	.1361E+01	.9999E+00	.1000E+01	.4127E-04	-.9652E-04
.1131E+01	.1244E+01	.9994E+00	.1000E+01	-.1251E-02	-.5624E-03
.1136E+01	.1136E+01	.9935E+00	.1006E+01	-.1372E-01	-.6511E-02
.1132E+01	.1036E+01	.9854E+00	.1017E+01	-.1377E-01	-.6606E-01
.1121E+01	.9483E+00	.9595E+00	.9574E+00	-.1770E-01	-.8170E+00
.1104E+01	.8678E+00	.9050E+00	.2968E+00	.8940E-02	-.1187E+01
.1084E+01	.7948E+00	.1927E+00	.8493E-01	.9846E-01	-.1695E+01
.1061E+01	.7294E+00	.1342E+00	.1490E-01	.1204E+00	-.2005E+01
.1037E+01	.6707E+00	.1180E+00	.1901E-02	.1160E+00	-.2137E+01
.1011E+01	.6186E+00	.1162E+00	.1989E-03	.1160E+00	-.2156E+01
.9859E+00	.5705E+00	.1249E+00	.1821E-04	.1257E+00	-.2079E+01
.9557E+00	.5276E+00	.1460E+00	.1463E-05	.1460E+00	-.1923E+01
.9342E+00	.4892E+00	.1867E+00	.1006E-06	.1872E+00	-.1678E+01
.9091E+00	.4545E+00	.2620E+00	.7413E-08	.2622E+00	-.1339E+01
.8846E+00	.4231E+00	.3678E+00	.1000E+01	.0000E+00	-.1000E+01
.1724E+00	.2006E+01	.9999E+00	.1000E+01	.1490E-06	-.1003E-04
.3376E+00	.2027E+01	.1000E+01	.9999E+00	-.8926E-04	.3785E-04
.4902E+00	.1961E+01	.9999E+00	.1000E+01	.1259E-03	-.5522E-04
.6250E+00	.1875E+01	.9999E+00	.1000E+01	.4190E-04	-.4154E-04
.7396E+00	.1775E+01	.1000E+01	.9998E+00	-.1934E-03	.1005E-03
.8333E+00	.1667E+01	.9994E+00	.1000E+01	.1550E-03	-.6251E-04
.9067E+00	.1554E+01	.9999E+00	.1000E+01	.1076E-03	-.3376E-04
.9615E+00	.1442E+01	.9999E+00	.1000E+01	-.1105E-04	-.2621E-04
.1000E+01	.1333E+01	.9999E+00	.1000E+01	-.1914E-03	-.7350E-04
.1025E+01	.1230E+01	.9992E+00	.1000E+01	-.1757E-02	-.7637E-03
.1038E+01	.1132E+01	.9916E+00	.1006E+01	-.1642E-01	-.8383E-02
.1042E+01	.1042E+01	.9284E+00	.1077E+01	-.1482E-01	-.7420E-01
.1038E+01	.9565E+00	.5868E+00	.5876E+00	-.2904E-01	-.5826E+00
.1029E+01	.8824E+00	.2212E+00	.3136E+00	.8866E-02	-.1132E+01
.1016E+01	.8130E+00	.1954E+00	.9203E-01	.1023E+00	-.1632E+01
.1000E+01	.7500E+00	.1440E+00	.1696E-01	.1277E+00	-.1937E+01
.9815E+00	.6928E+00	.1260E+00	.2188E-02	.1251E+00	-.2068E+01
.9615E+00	.6411E+00	.1264E+00	.2266E-03	.1260E+00	-.2068E+01
.9406E+00	.5941E+00	.1391E+00	.1585E-04	.1389E+00	-.1971E+01
.9191E+00	.5515E+00	.1681E+00	.1519E-05	.1680E+00	-.1782E+01
.8974E+00	.5126E+00	.2262E+00	.9700E-07	.2262E+00	-.1486E+01
.8756E+00	.4777E+00	.3678E+00	.1000E+01	.0000E+00	-.1000E+01
.8544E+00	.4456E+00	.3678E+00	.1000E+01	.0000E+00	-.1000E+01
.1471E+00	.1912E+01	.1000E+01	.9998E+00	-.2557E-03	.1526E-03
.2690E+00	.1879E+01	.9996E+00	.1000E+01	.3590E-03	-.1673E-03
.4213E+00	.1826E+01	.1000E+01	.9998E+00	-.3370E-03	.1227E-03
.5405E+00	.1757E+01	.1000E+01	.9998E+00	-.2940E-03	.1629E-03
.6443E+00	.1675E+01	.9996E+00	.1000E+01	.4298E-03	-.1399E-03
.7317E+00	.1585E+01	.1000E+01	.9995E+00	-.4127E-03	.5298E-04
.8026E+00	.1491E+01	.1000E+01	.9999E+00	-.1550E-04	.7676E-05
.8584E+00	.1395E+01	.1000E+01	.9998E+00	-.1364E-03	.3913E-04
.9000E+00	.1300E+01	.9999E+00	.1000E+01	-.5160E-04	-.5761E-04
.9294E+00	.1208E+01	.9988E+00	.1001E+01	-.2505E-02	-.1319E-02
.9483E+00	.1119E+01	.9866E+00	.1013E+01	-.2269E-01	-.1098E-01
.9605E+00	.1036E+01	.9196E+00	.1086E+01	-.1650E-01	-.8437E-01
.9615E+00	.9641E+00	.5581E+00	.6581E+00	-.2787E-01	-.5821E+00
.9589E+00	.8964E+00	.2275E+00	.3151E+00	.1825E-01	-.1116E+01
.9519E+00	.8349E+00	.2040E+00	.9147E-01	.1126E+00	-.1596E+01
.9412E+00	.7847E+00	.1834E+00	.1683E-01	.1374E+00	-.1874E+01
.9279E+00	.7456E+00	.1674E+00	.2210E-02	.1652E+00	-.1984E+01
.9126E+00	.7166E+00	.1603E+00	.2054E-03	.1603E+00	-.1966E+01
.8956E+00	.6962E+00	.1625E+00	.1794E-04	.1559E+00	-.1835E+01
.8787E+00	.6826E+00	.1692E+00	.1628E-05	.1692E+00	-.1613E+01

CYLINDER

$R/\lambda = 20$ $\quad T_e/T_i = 1$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -1$

Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.8607E+00	.5326E+00	.2671796+00	.8666548E-07	.2674006+00	-.1316846+01
.8423E+00	.4977E+00	.3078796+00	.1000006+01	.0000006+00	-.1000006+01
.8238E+00	.4658E+00	.3078796+00	.1000006+01	.0000006+00	-.1000006+01
.1269E+00	.1777E+01	.9995956+00	.1000418+01	.8703726-03	-.4066956-03
.2506E+00	.1756E+01	.1000316+01	.9996946+00	-.7729016-03	.3066266-03
.3659E+00	.1707E+01	.9998646+00	.1000146+01	.4737536-03	-.1566716-03
.4717E+00	.1651E+01	.9998926+00	.1000116+01	.3450666-03	-.1076236-03
.5656E+00	.1594E+01	.9998636+00	.1000206+01	.3000056-03	-.1970606-03
.6466E+00	.1509E+01	.1000066+01	.9999426+00	-.1406936-03	.5828546-04
.7143E+00	.1429E+01	.9999556+00	.1000056+01	.1217206-03	-.4729146-04
.7692E+00	.1346E+01	.9998716+00	.1000136+01	.1216066-03	-.1287656-03
.8123E+00	.1269E+01	.9998176+00	.1000386+01	-.3821556-03	-.3826046-03
.8446E+00	.1182E+01	.9978036+00	.1002206+01	-.4324046-02	-.2199786-02
.8675E+00	.1104E+01	.9849106+00	.1015326+01	-.3066146-01	-.1520486-01
.8824E+00	.1029E+01	.9504376+00	.1105906+01	-.2019176+00	-.1006646+00
.8904E+00	.9589E+00	.5422216+00	.9556046+00	-.1690246-01	-.6126816+00
.8929E+00	.8929E+00	.3230476+00	.2622336+00	.3975016-01	-.1130026+01
.8907E+00	.8314E+00	.2099336+00	.7951126-01	.1303526+00	-.1563816+01
.8850E+00	.7743E+00	.1553526+00	.1370666-01	.1500086+00	-.1811856+01
.8763E+00	.7216E+00	.1509666+00	.1666576-02	.1493006+00	-.1696056+01
.8654E+00	.6731E+00	.1596426+00	.1506876-03	.1596856+00	-.1834806+01
.8526E+00	.6284E+00	.1903626+00	.1186986-04	.1906946+00	-.1658726+01
.8389E+00	.5872E+00	.2558756+00	.7225466-06	.2560926+00	-.1363066+01
.8242E+00	.5495E+00	.3078796+00	.1000006+01	.0000006+00	-.1000006+01
.8088E+00	.5147E+00	.3078796+00	.1000006+01	.0000006+00	-.1000006+01
.7931E+00	.4828E+00	.3078796+00	.1000006+01	.0000006+00	-.1000006+01
.1106E+00	.1659E+01	.1000196+01	.9996106+00	-.6272676-03	.1856106-03
.2183E+00	.1638E+01	.9997066+00	.1000226+01	.6106876-03	-.2316896-03
.3209E+00	.1603E+01	.1000046+01	.9999606+00	-.2666066-03	.3986756-04
.4149E+00	.1556E+01	.9999946+00	.1000056+01	.1573886-03	-.5416076-04
.5000E+00	.1500E+01	.1000196+01	.9996476+00	-.5706876-03	.1526736-03
.5747E+00	.1437E+01	.9999506+00	.1000056+01	.1592346-03	-.9173746-04
.6387E+00	.1369E+01	.9999976+00	.1000006+01	-.2344556-03	-.3254556-05
.6920E+00	.1298E+01	.1000016+01	.9999876+00	-.6158436-03	.1258756-04
.7353E+00	.1225E+01	.9994616+00	.1000606+01	-.1460236-02	-.5988246-03
.7692E+00	.1154E+01	.9986066+00	.1003956+01	-.5166376-02	-.3951636-02
.7948E+00	.1084E+01	.9770806+00	.1022946+01	-.4660836-01	-.2320746-01
.8130E+00	.1016E+01	.8796246+00	.1136596+01	-.2563866+00	-.1286336+00
.8249E+00	.9518E+00	.5130136+00	.9056046+00	.7501576-02	-.6674456+00
.8314E+00	.8907E+00	.3114066+00	.2357256+00	.7562776-01	-.1156476+01
.8333E+00	.8333E+00	.2126976+00	.5981816-01	.1528096+00	-.1546956+01
.8316E+00	.7796E+00	.1747176+00	.9445976-02	.1652786+00	-.1744596+01
.8266E+00	.7296E+00	.1683126+00	.1073916-02	.1675086+00	-.1781906+01
.8197E+00	.6831E+00	.1654326+00	.9405316-04	.1655926+00	-.1685036+01
.8106E+00	.6399E+00	.2344246+00	.9464336-05	.2344616+00	-.1456626+01
.8000E+00	.6000E+00	.3078796+00	.1000006+01	.0000006+00	-.1000006+01
.7883E+00	.5631E+00	.3078796+00	.1000006+01	.0000006+00	-.1000006+01
.7757E+00	.5289E+00	.3078796+00	.1000006+01	.0000006+00	-.1000006+01
.7626E+00	.4973E+00	.3078796+00	.1000006+01	.0000006+00	-.1000006+01
.9728E-01	.1555E+01	.1000[illegible]+01	.9997[illegible]+00	-.7407316-03	.2638576-03
.1[illegible]+00	.1[illegible]+01	.1000[illegible]+01	.9997[illegible]+00	-.5042[illegible]-03	.2699346-03
.2[illegible]+00	.1[illegible]+01	.1000[illegible]+01	.9997[illegible]+00	-.3010[illegible]-03	.3292896-03
.3[illegible]+00	.1[illegible]+01	.9999[illegible]+00	.1000[illegible]+01	.5[illegible]-03	-.4192096-03
.4440E+00	.1[illegible]+01	.1000[illegible]+01	.9998[illegible]+00	-.[illegible]-03	.1037[illegible]-03
.5137E+00	.1[illegible]+01	.1000[illegible]+01	.9997[illegible]+00	-.5408[illegible]-03	.2006346-03
.5728E+00	.1[illegible]+01	.1000[illegible]+01	.9997[illegible]+00	-.[illegible]-03	.4991406-04
.6259E+00	.1250E+01	.9997916+00	.1001216+01	-.8494036-03	-.2068586-03
.6677E+00	.1187E+01	.9982356+00	.1017706+01	-.[illegible]-02	-.1762306-02
.7022E+00	.1124E+01	.9961046+00	.1039406+01	-.1734516-01	-.8956796-02
.7294E+00	.1064E+01	.9577706+00	.1079076+01	-.[illegible]-01	-.4324806-01

CYLINDER

$R/\lambda = 20$ $\quad T_e/T_i = 1$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -1$

Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.7500E+00	.1000E+01	.8252[illegible]E+00	.1211[illegible]E+01	-.3661[illegible]E+00	-.1915[illegible]E+00
.7647E+00	.9412E+00	.8714[illegible]E+00	.4407[illegible]E+00	.3082[illegible]E-01	-.7519[illegible]E+00
.7748E+00	.8850E+00	.9262[illegible]E+00	.1717[illegible]E+00	.1246[illegible]E+00	-.1210[illegible]E+01
.7798E+00	.8331E+00	.9717[illegible]E+00	.3706[illegible]E-01	.1795[illegible]E+00	-.1527[illegible]E+01
.7813E+00	.7813E+00	.9864[illegible]E+00	.8322[illegible]E-02	.1804[illegible]E+00	-.1663[illegible]E+01
.7798E+00	.7329E+00	.9914[illegible]E+00	.5498[illegible]E-03	.1910[illegible]E+00	-.1653[illegible]E+01
.7756E+00	.6897E+00	.9921[illegible]E+00	.4566[illegible]E-04	.2185[illegible]E+00	-.1521[illegible]E+01
.7699E+00	.6483E+00	.9927[illegible]E+00	.3439[illegible]E-05	.2758[illegible]E+00	-.1288[illegible]E+01
.7622E+00	.6096E+00	.9928[illegible]E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.7532E+00	.5735E+00	.9928[illegible]E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.7432E+00	.5401E+00	.9928[illegible]E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.7325E+00	.5095E+00	.9928[illegible]E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.8021E-01	.1460E+01	.1000168E+01	.9998435E+00	.1160[illegible]E-03	.1574[illegible]E-03
.1706E+00	.1451E+01	.9999[illegible]E+00	.1000[illegible]E+01	.1101[illegible]E-02	-.3729[illegible]E-03
.2517E+00	.1426E+01	.9999[illegible]E+00	.1000[illegible]E+01	.[illegible]E-03	-.4268[illegible]E-03
.3279E+00	.1393E+01	.1000000E+01	.9999937E+00	-.[illegible]E-03	.[illegible]E-04
.3981E+00	.1354E+01	.1000003E+01	.9999[illegible]E+00	-.[illegible]E-04	.3306[illegible]E-04
.4619E+00	.1308E+01	.9999[illegible]E+00	.1000[illegible]E+01	-.[illegible]E-04	-.9237[illegible]E-05
.5178E+00	.1257E+01	.9999[illegible]E+00	.1000[illegible]E+01	-.1008[illegible]E-03	-.3750[illegible]E-03
.5666E+00	.1204E+01	.9988[illegible]E+00	.1001[illegible]E+01	-.[illegible]E-02	-.1178[illegible]E-02
.6081E+00	.1149E+01	.9945[illegible]E+00	.1005[illegible]E+01	-.9885[illegible]E-02	-.5090[illegible]E-02
.6427E+00	.1093E+01	.9776[illegible]E+00	.1022[illegible]E+01	-.4479[illegible]E-01	-.2259[illegible]E-01
.6707E+00	.1037E+01	.9045[illegible]E+00	.1102[illegible]E+01	-.[illegible]E-01	-.1002[illegible]E+00
.6928E+00	.9815E+00	.8388[illegible]E+00	.6459[illegible]E+00	-.7303[illegible]E-02	-.4484[illegible]E+00
.7096E+00	.9279E+00	.9106[illegible]E+00	.3465[illegible]E+00	.5415[illegible]E-01	-.8859[illegible]E+00
.7216E+00	.8763E+00	.9611[illegible]E+00	.1059[illegible]E+00	.1757[illegible]E+00	-.1268[illegible]E+01
.7296E+00	.8268E+00	.9752[illegible]E+00	.1892[illegible]E-01	.2068[illegible]E+00	-.1495[illegible]E+01
.7339E+00	.7798E+00	.9810[illegible]E+00	.2913[illegible]E-02	.2066[illegible]E+00	-.1556[illegible]E+01
.7353E+00	.7353E+00	.9826[illegible]E+00	.2110[illegible]E-03	.2259[illegible]E+00	-.1486[illegible]E+01
.7341E+00	.6933E+00	.9782[illegible]E+00	.1549[illegible]E-04	.2732[illegible]E+00	-.1297[illegible]E+01
.7308E+00	.6538E+00	.9078[illegible]E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.7257E+00	.6168E+00	.9078[illegible]E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.7192E+00	.5822E+00	.9078[illegible]E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.7115E+00	.5498E+00	.9078[illegible]E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.7029E+00	.5196E+00	.9078[illegible]E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.7692E-01	.1385E+01	.9999[illegible]E+00	.1000[illegible]E+01	.[illegible]E-03	-.4187[illegible]E-03
.1524E+00	.1372E+01	.1000014E+01	.9998[illegible]E+00	-.[illegible]E-03	.1443[illegible]E-03
.2252E+00	.1351E+01	.9997[illegible]E+00	.1000[illegible]E+01	-.[illegible]E-04	-.2255[illegible]E-03
.2941E+00	.1324E+01	.1000[illegible]E+01	.9996[illegible]E+00	-.1291[illegible]E-02	.3219[illegible]E-03
.3582E+00	.1289E+01	.9999[illegible]E+00	.1000[illegible]E+01	-.[illegible]E-03	-.3408[illegible]E-04
.4167E+00	.1250E+01	.9997[illegible]E+00	.1000[illegible]E+01	-.[illegible]E-03	-.2976[illegible]E-03
.4692E+00	.1206E+01	.9986[illegible]E+00	.1001[illegible]E+01	-.1[illegible]E-02	-.1151[illegible]E-02
.5155E+00	.1160E+01	.9986[illegible]E+00	.1001[illegible]E+01	-.[illegible]E-02	-.3688[illegible]E-02
.5559E+00	.1111E+01	.9986[illegible]E+00	.1001[illegible]E+01	-.[illegible]E-01	-.1325[illegible]E-01
.5896E+00	.1061E+01	.9911[illegible]E+00	.1015[illegible]E+01	-.1002[illegible]E+00	-.5016[illegible]E-01
.6180E+00	.1011E+01	.8950[illegible]E+00	.1204[illegible]E+01	-.3734[illegible]E+00	-.1856[illegible]E+00
.6410E+00	.9615E+00	.5371[illegible]E+00	.5090[illegible]E+00	.2806[illegible]E-01	-.6215[illegible]E+00
.6592E+00	.9128E+00	.3629[illegible]E+00	.2151[illegible]E+00	.1404[illegible]E+00	-.1014[illegible]E+01
.6731E+00	.8654E+00	.2744[illegible]E+00	.4942[illegible]E-01	.2254[illegible]E+00	-.1291[illegible]E+01
.6831E+00	.8197E+00	.2427[illegible]E+00	.7107[illegible]E-02	.2357[illegible]E+00	-.1415[illegible]E+01
.6897E+00	.7755E+00	.2438[illegible]E+00	.7500[illegible]E-03	.2432[illegible]E+00	-.1410[illegible]E+01
.6933E+00	.7341E+00	.2480[illegible]E+00	.5581[illegible]E-04	.2480[illegible]E+00	-.1271[illegible]E+01
.6944E+00	.6944E+00	.3078[illegible]E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.6934E+00	.6565E+00	.3078[illegible]E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.6905E+00	.6215E+00	.3078[illegible]E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.6856E+00	.5882E+00	.3078[illegible]E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.6787E+00	.5569E+00	.3078[illegible]E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.6741E+00	.5275E+00	.3078[illegible]E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.6500E-01	.1312E+01	.9999[illegible]E+00	.1000[illegible]E+01	-.[illegible]E-03	-.8812[illegible]E-03
.1507E+00	.1301E+01	.9997[illegible]E+00	.1000[illegible]E+01	-.[illegible]E-03	-.2545[illegible]E-03

$R/\lambda = 20$ $T_e/T_i = 1$ $V/C_i = 8$ $e\phi_s/KT_e = -1$

Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.2027E+00	.1284E+01	.9996394E+00	.1000037E+01	-.3458828E-03	-.3659078E-03
.2053E+00	.1200E+01	.9999000E+00	.1000013E+01	-.1121100E-02	-.1191857E-03
.3238E+00	.1231E+01	.9999319E+00	.1000088E+01	-.1139838E-02	-.6811617E-03
.3778E+00	.1196E+01	.9984077E+00	.1001000E+01	-.2810158E-02	-.1594166E-02
.4268E+00	.1159E+01	.9968210E+00	.1003800E+01	-.7767955E-02	-.3796786E-02
.4706E+00	.1118E+01	.9959357E+00	.1010768E+01	-.2149833E-01	-.1070036E-01
.5050E+00	.1075E+01	.9968379E+00	.1034791E+01	-.6821588E-01	-.3419888E-01
.5423E+00	.1030E+01	.9868215E+00	.1112585E+01	-.2375135E+00	-.1185426E+00
.5705E+00	.9855E+00	.8425435E+00	.6188622E+00	.2370618E-01	-.4423226E+00
.5941E+00	.9406E+00	.4406813E+00	.3387026E+00	.1081316E+00	-.8056146E+00
.6132E+00	.8962E+00	.3313926E+00	.9914566E-01	.2322686E+00	-.1104456E+01
.6284E+00	.8528E+00	.2837061E+00	.1641246E-01	.2673726E+00	-.1255626E+01
.6399E+00	.8106E+00	.2796186E+00	.1827046E-02	.2777816E+00	-.1274336E+01
.6483E+00	.7699E+00	.2952593E+00	.1771736E-03	.2951386E+00	-.1215796E+01
.6538E+00	.7306E+00	.3067879E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.6569E+00	.6934E+00	.3067879E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.6579E+00	.6579E+00	.3067879E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.6570E+00	.6242E+00	.3067879E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.6544E+00	.5923E+00	.3067879E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.6505E+00	.5621E+00	.3067879E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.6461E+00	.5337E+00	.3067879E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.6234E-01	.1247E+01	.9974455E+00	.1002588E+01	-.4452336E-02	-.2558500E-02
.1238E+00	.1238E+01	.9980795E+00	.1001938E+01	-.2412458E-02	-.1386678E-02
.1634E+00	.1222E+01	.9982220E+00	.1001788E+01	-.2885010E-02	-.1781650E-02
.2404E+00	.1202E+01	.9978623E+00	.1002144E+01	-.3621322E-02	-.2138900E-02
.2941E+00	.1176E+01	.9965077E+00	.1003446E+01	-.6155276E-02	-.3438576E-02
.3440E+00	.1147E+01	.9934981E+00	.1006536E+01	-.1193406E-01	-.6539886E-02
.3898E+00	.1114E+01	.9866533E+00	.1013533E+01	-.2651276E-01	-.1343688E-01
.4310E+00	.1078E+01	.9699545E+00	.1031416E+01	-.6159736E-01	-.2099246E-01
.4678E+00	.1040E+01	.9215944E+00	.1089588E+01	-.1683427E+00	-.8165106E-01
.5000E+00	.1000E+01	.7970248E+00	.1254671E+01	-.4576977E+00	-.2268716E+00
.5278E+00	.9597E+00	.5304066E+00	.1439582E+01	-.9090806E+00	-.6333626E+00
.5515E+00	.9191E+00	.3067425E+00	.1568818E+01	-.2205546E+00	-.9482076E+00
.5712E+00	.8787E+00	.2225595E+00	.3035538E-01	.2922683E+00	-.1131476E+01
.5872E+00	.8389E+00	.3157795E+00	.3563126E-02	.3122246E+00	-.1152716E+01
.6000E+00	.8000E+00	.3067879E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.6098E+00	.7622E+00	.3067879E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.6168E+00	.7257E+00	.3067879E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.6215E+00	.6906E+00	.3067879E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.6242E+00	.6570E+00	.3067879E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.6250E+00	.6250E+00	.3067879E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.6243E+00	.5945E+00	.3067879E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.6222E+00	.5656E+00	.3067879E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.6189E+00	.5382E+00	.3067879E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.5656E-01	.1198E+01	.9910478E+00	.1009038E+01	-.1932355E-01	-.8993488E-02
.1124E+00	.1180E+01	.9933866E+00	.1006686E+01	-.1418256E-01	-.6636346E-02
.1667E+00	.1167E+01	.9935218E+00	.1006516E+01	-.1459056E-01	-.6489716E-02
.2188E+00	.1149E+01	.9915399E+00	.1008538E+01	-.1747866E-01	-.8497186E-02
.2682E+00	.1127E+01	.9867976E+00	.1013386E+01	-.2680066E-01	-.1329096E-01
.3145E+00	.1101E+01	.9768595E+00	.1023651E+01	-.4677226E-01	-.2337626E-01
.3571E+00	.1071E+01	.9557069E+00	.1046228E+01	-.9049956E-01	-.4526936E-01
.3960E+00	.1040E+01	.9140942E+00	.1094046E+01	-.1801006E+00	-.8987916E-01
.4310E+00	.1006E+01	.8096666E+00	.1235517E+01	-.4254666E+00	-.2112076E+00
.4621E+00	.9704E+00	.5287966E+00	.1627102E+01	-.1090266E+01	-.5310526E+00
.4893E+00	.9344E+00	.4339666E+00	.1805171E+01	-.1472056E+01	-.6834746E+00
.5128E+00	.8974E+00	.3986644E+00	.4269552E-01	.3159716E+00	-.1027046E+01
.5328E+00	.8607E+00	.3245956E+00	.5833017E-02	.3202666E+00	-.1094856E+01
.5495E+00	.8243E+00	.3067879E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.5631E+00	.7885E+00	.3067879E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.5739E+00	.7534E+00	.3067879E+00	.1000000E+01	.0000000E+00	-.1000000E+01

$R/\lambda = 20$ $T_e/T_i = 1$ $V/C_i = 8$ $e\phi_s/KT_e = -1$

Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.5822E+00	.7192E+00	.3e7879E+CC	.1CCCCCE+C1	.CCCCCCE+CC	-.1CCCCCE+01
.5882E+00	.6663E+00	.3e7879E+CC	.1CCCCCE+01	.CCCCCCE+CC	-.1CCCCCE+01
.5923E+00	.6546E+00	.3e7879E+CC	.1CCCCCE+C1	.CCCCCCE+CC	-.1CCCCCE+01
.5945E+00	.6243E+00	.3e7879E+CC	.1CCCCCE+C1	.CCCCCCE+CC	-.1CCCCCE+C1
.5952E+00	.5952E+00	.3e7879E+CC	.1CCCCCE+C1	.CCCCCCE+CC	-.1CCCCCE+C1
.5946E+00	.5e7cE+00	.3e7879E+CC	.1CCCCCE+C1	.CCCCCCE+CC	-.1CCCCCE+C1
.5926E+00	.5412E+00	.3e7879E+CC	.1CCCCCE+C1	.CCCCCCE+CC	-.1CCCCCE+01
.5155E-01	.1134E+01	.9e7e93E+CC	.1C3343E+C1	-.e5364CE-C1	-.32e816E-C1
.1025E+00	.1127E+01	.973e40E+CC	.1C27C7E+C1	-.52e172E-C1	-.267139E-01
.1521E+00	.1116E+01	.9733e3E+CC	.1C2739E+C1	-.5429C1E-C1	-.2701e9E-01
.2CCCE+00	.11C0E+01	.9e7274E+CC	.1C3883E+C1	-.e59948E-C1	-.332739E-01
.2456E+00	.1CE1E+01	.9520e3E+CC	.1C5C35E+01	-.9754CEE-C1	-.491245E-01
.2885E+00	.1C58E+01	.923C27E+CC	.1CE339E+C1	-.159e42E+CC	-.8CC966E-01
.3283E+00	.1C32E+01	.8e195IE+CC	.11eC16E+01	-.257975E+CC	-.148557E+00
.365CE+00	.1CC4E+01	.779771E+CC	.12e243E+01	-.5027C3E+CC	-.248755E+00
.39e2E+CC	.97e5E+0C	.3870eCE+CC	.543723E+CO	.45ee62E-C1	-.532594E+00
.4281E+00	.9418E+0C	.4495e1E+CC	.2199e0E+CO	.2296CeE+CC	-.799439E+00
.4545E+00	.9C91E+CC	.3eCe7EE+CC	.4537C5E-01	.3353C9E+CC	-.9e5EC1E+CO
.4777E+00	.e758E+0C	.3e7879E+CC	.1CCCCCE+C1	.CCCCCCE+CC	-.1CCCCCE+01
.4977E+00	.8423E+0C	.3e7879E+CC	.1CCCCCE+01	.CCCCCCE+CO	-.1CCCCCE+C1
.5147E+00	.8C88E+0C	.3e7879E+CC	.1CCCCCE+C1	.CCCCCCE+CO	-.1CCCCCE+C1
.5285E+00	.7757E+CC	.3e7879E+CC	.1CCCCCE+01	.CCCCCCE+CC	-.1CCCCCE+01
.54C5E+00	.7432E+CC	.3e7879E+CC	.1CCCCCE+01	.CCCCCCE+CO	-.1CCCCCE+C1
.5498E+00	.7115E+CC	.3e7879E+CC	.1CCCCCE+C1	.CCCCCCE+CC	-.1CCCCCE+01
.55e9E+00	.68C7E+0C	.3e7879E+CC	.1CCCCCE+01	.CCCCCCE+CC	-.1CCCCCE+C1
.5621E+00	.65C9E+00	.3e7879E+CC	.1CCCCCE+C1	.CCCCCCE+CC	-.1CCCCCE+01
.5656E+00	.6222E+0C	.3e7879E+CC	.1CCCCCE+01	.CCCCCCE+CC	-.1CCCCCE+01
.5e76E+00	.5946E+0C	.3e7879E+CC	.1CCCCCE+01	.CCCCCCE+CC	-.1CCCCCE+01
.5682E+00	.5c62E+0C	.3e7879E+CC	.1CCCCCE+C1	.CCCCCCE+CC	-.1CCCCCE+01
.5e76E+00	.5429E+0C	.3e7879E+CC	.1CCCCCE+01	.CCCCCCE+CC	-.1CCCCCE+C1
.4717E-01	.1C85E+01	.e98145E+CC	.111341E+C1	-.21e289E+CC	-.107424E+00
.9381E-01	.1C79E+01	.9C9022E+CC	.11CCC8E+C1	-.1911e9E+CC	-.953e62E-01
.1394E+00	.1C69E+01	.90eCC1E+CC	.11Ce71E+C1	-.1959C1E+CO	-.97766eE-01
.1825E+00	.1C55E+01	.8915e4E+CC	.1121E9E+C1	-.229777E+CC	-.114800E+00
.2256E+00	.1C38E+01	.84e74CE+CC	.1178228+01	-.329383E+CC	-.164CC2E+00
.2655E+00	.1C18E+01	.7810e1E+CC	.128C31E+C1	-.4991C2E+CC	-.2471C1E+CO
.3028E+00	.9948E+CC	.e173e1E+0C	.763(78E+CO	-.145e84E+CC	-.4823C1E+00
.3373E+00	.9C96E+0C	.e25969E+CC	.522170L+CO	.27e672E-C2	-.642513E+00
.3689E+00	.9426E+0C	.4e3C04E+CC	.175e12E+CO	.2572916+CC	-.837C69E+00
.3975E+00	.9141E+00	.3e7879E+CC	.1CCCCCE+C1	.CCCCCCE+CC	-.1CCCCCE+01
.4231E+00	.884eE+00	.3e7879E+CC	.1CCCCCE+C1	.CCCCCCE+CC	-.1CCCCCE+01
.4458E+00	.e544E+CC	.3e7879E+CC	.1CCCCCE+C1	.CCCCCCE+CC	-.1CCCCCE+01
.4656E+CO	.8238E+0C	.3e7879E+CC	.1CCCCCE+C1	.CCCCCCE+CC	-.1CCCCCE+C1
.4828E+00	.7951E+0C	.3e7879E+CC	.1CCCCCE+01	.CCCCCCE+CC	-.1CCCCCE+01
.4973E+00	.7626E+00	.3e7879E+CC	.1CCCCCE+01	.CCCCCCE+CC	-.1CCCCCE+01
.5C9EE+00	.7325E+0C	.3e7879E+CC	.1CCCCCE+C1	.CCCCCCE+CC	-.1CCCCCE+C1
.5196E+00	.7029E+0C	.3e7879E+CC	.1CCCCCE+C1	.CCCCCCE+CC	-.1CCCCCE+01
.5275E+00	.6741E+00	.3e7879E+CC	.1CCCCCE+01	.CCCCCCE+CC	-.1CCCCCE+01
.5337E+00	.6461E+0C	.3e7879E+CC	.1CCCCCE+C1	.CCCCCCE+CC	-.1CCCCCE+01
.5382E+00	.e139E+00	.3e7879E+CC	.1CCCCCE+C1	.CCCCCCE+CC	-.1CCCCCE+01
.5412E+00	.5926E+00	.3e7879E+CC	.1CCCCCE+C1	.CCCCCCE+CC	-.1CCCCCE+01
.5429E+00	.5e7eE+00	.3e7879E+CC	.1CCCCCE+C1	.CCCCCCE+CC	-.1CCCCCE+01
.5435E+00	.5435E+0C	.3e7879E+CC	.1CCCCCE+01	.CCCCCCE+CC	-.1CCCCCE+01

CYLINDER

$R/\lambda = 20$ $T_e/T_i = 1$ $V/C_i = 4$ $e\phi_s/KT_e = -1$

	Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
	.2500E+02	.0000E+00	.9971446+00	.9971446+00	-.7450586-06	-.2660416-02
	.1250E+02	.0000E+00	.9869856+00	.9869856+00	.4097626-06	-.1097466-01
	.8333E+01	.0000E+00	.9821446+00	.9821276+00	.1689636-05	-.3444276-01
	.6250E+01	.0000E+00	.9699826+00	.9699656+00	.1704926-03	-.1056636+00
	.5000E+01	.0000E+00	.9614576+00	.9611306+00	.3272746-03	-.2213236+00
	.4167E+01	.0000E+00	.9584626+00	.9581926+00	.2679206-02	-.3788866+00
	.3571E+01	.0000E+00	.9537826+00	.9509926+00	.5592756-02	-.5730876+00
	.3125E+01	.0000E+00	.9472346+00	.9416216+00	.4606486-02	-.8046736+00
	.2778E+01	.0000E+00	.9370446+00	.9313896+00	.5616516-02	-.1088546+01
	.2500E+01	.0000E+00	.9245056+00	.9112466+00	.1332106-01	-.1406296+01
12	.2273E+01	.0000E+00	.9046736+00	.8892086+00	.1546526-01	-.1688176+01
11	.2083E+01	.0000E+00	.8497166+00	.8358566+00	.1392606-01	-.1899626+01
10	.1923E+01	.0000E+00	.8259886+00	.8067596+00	.1922296-01	-.2043416+01
9	.1786E+01	.0000E+00	.8117396+00	.7308956-01	.4571426-01	-.2140146+01
8	.1667E+01	.0000E+00	.8103266+00	.5307776-01	.5795496-01	-.2204316+01
7	.1563E+01	.0000E+00	.8057706+00	.3866456-01	.6691256-01	-.2246496+01
6	.1471E+01	.0000E+00	.8029786+00	.2831206-01	.7198666-01	-.2273246+01
5	.1389E+01	.0000E+00	.8015426+00	.2086636-01	.7218796-01	-.2287296+01
4	.1316E+01	.0000E+00	.8016456+00	.1549186-01	.7676316-01	-.2286276+01
3						

$R/\lambda = 20$ $T_e/T_i = 1$ $V/C_i = 4$ $e\phi_s/KT_e = -1$

	Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
	.1250E+01	.0000E+00	.1042[illegible]E+00	.1154[illegible]E-01	.9406[illegible]E-01	-.2200[illegible]E+01
	.1190E+01	.0000E+00	.1113[illegible]E+00	.8492[illegible]E-02	.1064[illegible]E+00	-.2193[illegible]E+01
	.1130E+01	.0000E+00	.1207[illegible]E+00	.5928[illegible]E-02	.1219[illegible]E+00	-.2068[illegible]E+01
	.1070E+01	.0000E+00	.1308[illegible]E+00	.3654[illegible]E-02	.1293[illegible]E+00	-.1844[illegible]E+01
	.1250E+02	.1250E+02	.1000000E+01	.1000000E+01	-.8940[illegible]E-07	-.8750[illegible]E-08
	.1000E+02	.5000E+01	.1000000E+01	.1000000E+01	-.1400[illegible]E-05	-.4181[illegible]E-06
	.7500E+01	.2500E+01	.9999994E+00	.1000001E+01	-.1510[illegible]E-04	-.8384[illegible]E-05
	.5002E+01	.1471E+01	.9998[illegible]E+00	.1000114E+01	-.2707[illegible]E-03	-.1595[illegible]E-03
	.4805E+01	.9615E+00	.9783[illegible]E+00	.8752[illegible]E+00	.5870[illegible]E-03	-.1348[illegible]E+00
	.4054E+01	.8757E+00	.9043[illegible]E+00	.9006[illegible]E+00	-.1918[illegible]E-02	-.1005[illegible]E+00
	.3500E+01	.5000E+00	.7879[illegible]E+00	.7904[illegible]E+00	-.2480[illegible]E-02	-.2582[illegible]E+00
	.3077E+01	.3846E+00	.6112[illegible]E+00	.6125[illegible]E+00	-.1407[illegible]E-02	-.4921[illegible]E+00
	.2744E+01	.3049E+00	.4834[illegible]E+00	.4831[illegible]E+00	.4162[illegible]E-03	-.8327[illegible]E+00
	.2475E+01	.2475E+00	.2869[illegible]E+00	.2881[illegible]E+00	.8070[illegible]E-03	-.1229[illegible]E+01
	.2254E+01	.2049E+00	.1568[illegible]E+00	.1588[illegible]E+00	.1590[illegible]E-01	-.1618[illegible]E+01
	.2069E+01	.1724E+00	.1510[illegible]E+00	.1111[illegible]E+00	.3978[illegible]E-01	-.1890[illegible]E+01
	.1912E+01	.1471E+00	.1272[illegible]E+00	.6722[illegible]E-01	.6006[illegible]E-01	-.2006[illegible]E+01
	.1777E+01	.1269E+00	.1140[illegible]E+00	.4045[illegible]E-01	.7520[illegible]E-01	-.2106[illegible]E+01
	.1659E+01	.1106E+00	.1078[illegible]E+00	.2433[illegible]E-01	.8452[illegible]E-01	-.2229[illegible]E+01
	.1555E+01	.9726E-01	.1035[illegible]E+00	.1473[illegible]E-01	.8918[illegible]E-01	-.2287[illegible]E+01
	.1466E+01	.8621E-01	.1012[illegible]E+00	.8954[illegible]E-02	.9324[illegible]E-01	-.2290[illegible]E+01
	.1386E+01	.7692E-01	.1001[illegible]E+00	.5552[illegible]E-02	.9602[illegible]E-01	-.2301[illegible]E+01
	.1312E+01	.6900E-01	.1005[illegible]E+00	.3470[illegible]E-02	.9715[illegible]E-01	-.2297[illegible]E+01
	.1247E+01	.6234E-01	.1033[illegible]E+00	.2192[illegible]E-02	.1024[illegible]E+00	-.2286[illegible]E+01
	.1188E+01	.5693E-01	.1100[illegible]E+00	.1387[illegible]E-02	.1105[illegible]E+00	-.2201[illegible]E+01
	.1134E+01	.5153E-01	.1268[illegible]E+00	.8593[illegible]E-03	.1260[illegible]E+00	-.2068[illegible]E+01
	.1085E+01	.4717E-01	.1579[illegible]E+00	.5624[illegible]E-03	.1582[illegible]E+00	-.1845[illegible]E+01
	.5000E+01	.1000E+02	.1000000E+01	.1000000E+01	-.7450[illegible]E-08	.6550[illegible]E-08
	.2500E+01	.5000E+01	.1000000E+01	.1000000E+01	.7450[illegible]E-08	-.7030[illegible]E-09
	.1667E+01	.3334E+01	.1000000E+01	.1000000E+01	-.7450[illegible]E-08	-.7870[illegible]E-08
	.1250E+01	.2500E+01	.1000000E+01	.1000000E+01	-.2458[illegible]E-06	-.4434[illegible]E-06
	.4310E+01	.1724E+01	.9997[illegible]E+00	.1000224E+01	-.4621[illegible]E-03	-.2220[illegible]E-03
	.3750E+01	.1250E+01	.9995[illegible]E+00	.1000442E+01	-.4530[illegible]E-03	-.4202[illegible]E-03
	.3302E+01	.9434E+00	.9988[illegible]E+00	.9718[illegible]E+00	-.3010[illegible]E-02	-.3106[illegible]E-01
	.2941E+01	.7353E+00	.9938[illegible]E+00	.8808[illegible]E+00	-.4172[illegible]E-02	-.1556[illegible]E+00
	.2647E+01	.5882E+00	.7268[illegible]E+00	.7403[illegible]E+00	-.1444[illegible]E-01	-.3201[illegible]E+00
	.2404E+01	.4808E+00	.5533[illegible]E+00	.5902[illegible]E+00	-.1724[illegible]E-01	-.6280[illegible]E+00
	.2200E+01	.4000E+00	.3542[illegible]E+00	.3677[illegible]E+00	-.1486[illegible]E-01	-.1037[illegible]E+01
	.2027E+01	.3378E+00	.2307[illegible]E+00	.2292[illegible]E+00	.1541[illegible]E-03	-.1456[illegible]E+01
	.1879E+01	.2869E+00	.1542[illegible]E+00	.1374[illegible]E+00	.2660[illegible]E-01	-.1806[illegible]E+01
	.1750E+01	.2500E+00	.1319[illegible]E+00	.8077[illegible]E-01	.5108[illegible]E-01	-.2025[illegible]E+01
	.1638E+01	.2213E+00	.1158[illegible]E+00	.4712[illegible]E-01	.6870[illegible]E-01	-.2155[illegible]E+01
	.1538E+01	.1923E+00	.1074[illegible]E+00	.2751[illegible]E-01	.7994[illegible]E-01	-.2230[illegible]E+01
	.1451E+01	.1700E+00	.1031[illegible]E+00	.1617[illegible]E-01	.8718[illegible]E-01	-.2272[illegible]E+01
	.1372E+01	.1524E+00	.1008[illegible]E+00	.9613[illegible]E-02	.9206[illegible]E-01	-.2293[illegible]E+01
	.1301E+01	.1377E+00	.1002[illegible]E+00	.5782[illegible]E-02	.9238[illegible]E-01	-.2294[illegible]E+01
	.1238E+01	.1238E+00	.1035[illegible]E+00	.3524[illegible]E-02	.1017[illegible]E+00	-.2268[illegible]E+01
	.1180E+01	.1124E+00	.1105[illegible]E+00	.2150[illegible]E-02	.1089[illegible]E+00	-.2195[illegible]E+01
	.1127E+01	.1027E+00	.1228[illegible]E+00	.1285[illegible]E-02	.1215[illegible]E+00	-.2064[illegible]E+01
	.1079E+01	.9381E-01	.1508[illegible]E+00	.7726[illegible]E-03	.1500[illegible]E+00	-.1864[illegible]E+01
	.1035E+01	.8500E-01	.1000000E+01	.1000000E+01	.7450[illegible]E-08	-.3313[illegible]E-08
12	.9948E+00	.8097E+00	.1000000E+01	.1000000E+01	-.7450[illegible]E-08	.1803[illegible]E-08
11	.9567E+00	.7727E+00	.1000000E+01	.1000000E+01	-.7450[illegible]E-08	.4542[illegible]E-08
10	.9222E+00	.7385E+00	.1000000E+01	.1000000E+01	-.7450[illegible]E-08	.9018[illegible]E-09
9	.8907E+00	.7069E+00	.1000000E+01	.1000000E+01	-.2218[illegible]E-05	-.2320[illegible]E-07
8	.8618E+00	.6776E+00	.9999994E+00	.1000021E+01	.2106[illegible]E-05	-.6024[illegible]E-05
7	.8351E+00	.6504E+00	.9997[illegible]E+00	.1000221E+01	-.4599[illegible]E-03	-.2110[illegible]E-03
6	.8104E+00	.6251E+00	.9986[illegible]E+00	.1001191E+01	-.4370[illegible]E-02	-.5106[illegible]E-02
5	.7875E+00	.6013E+00	.9[illegible]E+00	.8[illegible]E+00	.5[illegible]E-03	-.1[illegible]E+00
4	.7664E+00	.5791E+00	.7[illegible]E+00	.7[illegible]E+00	-.2[illegible]E-01	-.2[illegible]E+00
3						

$R/\lambda = 20$ $T_e/T_i = 1$ $V/C_i = 4$ $e\phi_s/KT_e = -1$

Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.2115E+01	.57c9E+00	.9707E+00	.9944E+00	-.2437E-01	-.5CC839E+00
.1961E+01	.4902E+00	.9794E+00	.9961E+00	-.1971E-01	-.5C3952E+00
.1826E+01	.4213E+00	.9850E+00	.9968E+00	-.1718E-01	-.1403782+01
.1707E+01	.3609E+00	.9917E+00	.9958E+00	-.1041E-01	-.1761E2E+01
.1603E+01	.3086E+00	.9952E+00	.9984E+00	-.3211E-01	-.2000726+01
.1509E+01	.2635E+00	.9972E+00	.9981E+00	-.8411E-02	-.2143786+01
.1426E+01	.2517E+00	.1000E+00	.9994E+00	.5E64E-03	-.2225C3E+01
.1351E+01	.2252E+00	.1003E+00	.1000E+00	.3E01E-03	-.2267106+01
.1284E+01	.2027E+00	.1004E+00	.1000E+00	.3E01E-03	-.2278C5E+01
.1222E+01	.1834E+00	.1004E+00	.1000E+00	.3E01E-03	-.2286E2E+01
.1167E+01	.1667E+00	.1004E+00	.1000E+00	.3E01E-03	-.2293E4E+01
.1116E+01	.1521E+00	.1004E+00	.1000E+00	.3E01E-03	-.2298E2E+01
.1069E+01	.1394E+00	.1004E+00	.1000E+00	.3E01E-03	-.2302E2E+01
.1026E+01	.1282E+00	.1004E+00	.1000E+00	.3E01E-03	-.2305E2E+01
.9871E+00	.1184E+00	.1004E+00	.1000E+00	.3E01E-03	-.2307E2E+01
.9500E+00	.1098E+00	.1004E+00	.1000E+00	.3E01E-03	-.2308E2E+01
.1471E+01	.5882E+01	.1000E+01	.1000E+01	.7450E-08	-.4341726-08
.2500E+01	.5000E+01	.1000E+01	.1000E+01	-.7450E-08	.5076466-08
.3000E+01	.4000E+01	.1000E+01	.1000E+01	-.7450E-08	.4851576-08
.3125E+01	.3125E+01	.1000E+01	.1000E+01	-.7450E-08	.2585446-08
.3049E+01	.2439E+01	.1000E+01	.1000E+01	-.E705E-07	.2574186-07
.2803E+01	.1923E+01	.9999E+00	.1000E+01	-.1055696-05	
.2692E+01	.1538E+01	.1000E+01	.9999E+00	-.1850726-04	.2623186-05
.2500E+01	.1250E+01	.9996E+00	.1000E+01	-.2247776-03	-.1116266-03
.2326E+01	.1031E+01	.9946E+00	.1000E+01	-.1195C2E-01	-.5986576-02
.2155E+01	.8621E+00	.8501E+00	.8221E+00	.7879E-02	-.1006236+00
.2007E+01	.7299E+00	.7362E+00	.7622E+00	-.2600E-01	-.3061666+00
.1875E+01	.6250E+00	.5496E+00	.5744E+00	-.2482E-01	-.6C58C3E+00
.1757E+01	.5403E+00	.3612E+00	.3817E+00	-.2C09E-01	-.1016396+01
.1651E+01	.4717E+00	.2371E+00	.2384E+00	.2473E-02	-.1436876+01
.1556E+01	.4149E+00	.1668E+00	.1371E+00	.3145E-01	-.1780C6E+01
.1471E+01	.3676E+00	.1341E+00	.7821E-01	.5644E-01	-.2005486+01
.1393E+01	.3279E+00	.1168E+00	.4416E-01	.7252E-01	-.2146886+01
.1324E+01	.2941E+00	.1058E+00	.2494E-01	.8082E-01	-.2221216+01
.1260E+01	.2653E+00	.1054E+00	.1419E-01	.9246E-01	-.2249336+01
.1202E+01	.2404E+00	.1071E+00	.8144E-02	.1001E+00	-.2283406+01
.1149E+01	.2188E+00	.1148E+00	.4662E-02	.1112E+00	-.2316C7E+01
.1100E+01	.2000E+00	.1219E+00	.2603E-02	.1193E+00	-.2025576+01
.1055E+01	.1833E+00	.1285E+00	.1377E-02	.1264E+00	-.1860396+01
.9615E+00	.1681E+01	.1000E+01	.1000E+01	-.7450E-08	.2627466-08
.1724E+01	.4310E+01	.1000E+01	.1000E+01	.7450E-08	-.4753C3E-08
.2206E+01	.3676E+01	.1000E+01	.1000E+01	.7450E-08	-.1256E9E-08
.2439E+01	.3049E+01	.1000E+01	.1000E+01	-.7450E-08	.5375766-08
.2500E+01	.2500E+01	.1000E+01	.1000E+01	-.7450E-08	.1999766-08
.2459E+01	.2049E+01	.1000E+01	.1000E+01	.1266E-06	-.7045206-07
.2305E+01	.1689E+01	.1000E+01	.1000E+01	.5436E-06	-.3026226-06
.2247E+01	.1404E+01	.1000E+01	.1000E+01	-.3506E-04	-.8458586-08
.2123E+01	.1179E+01	.9996E+00	.1000E+01	-.4856E-03	-.3812226-03
.2000E+01	.1000E+01	.9968E+00	.1001E+01	-.3315E-02	-.1154846-01
.1864E+01	.8542E+00	.9933E+00	.9933E+00	.1036E-02	-.2239756+00
.1775E+01	.7396E+00	.9864E+00	.9871E+00	-.5061E-02	-.4056C1E+00
.1675E+01	.6494E+00	.9778E+00	.9844E+00	-.6513E-02	-.7384C3E+00
.1584E+01	.5836E+00	.9717E+00	.9824E+00	-.1086E-01	-.1149546+01
.1500E+01	.5000E+00	.9615E+00	.9803E+00	.1180E-01	-.1536876+01
.1423E+01	.4444E+00	.9538E+00	.9777E+00	.4132E-01	-.1849C9E+01
.1354E+01	.3951E+00	.9496E+00	.9737E+00	.7594E-01	-.2041C6E+01
.1289E+01	.3516E+00	.9502E+00	.9676E+00	.1174E+00	-.2103B7E+01
.1231E+01	.3138E+00	.9564E+00	.9576E+00	.1882E+00	-.2020B3E+01
.1176E+01	.2794E+00	.9714E+00	.9416E+00	.2978E+00	-.2197B6E+01
.1127E+01	.2666E+00	.9919E+00	.9145E+00	.4773E+00	-.2127B6E+01
.1081E+01	.2403E+00	.1037E+01	.8694E+00	.7676E+00	-.1956C9E+01
.1038E+01	.2215E+00	.1126E+01	.8000E+00	.1326E+01	-.1750C7E+01
.9757E+00	.9C54E+01	.1000E+01	.1000E+01	-.7450E-08	.2276746-06

CYLINDER

$R/\lambda = 20$ $\quad T_e/T_i = 1$ $\quad V/C_i = 4$ $\quad e\phi_s/KT_e = -1$

Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.1250E+01	.3750E+01	.1000000E+01	.1000000E+01	-.7450588E-08	.5735000E-08
.1667E+01	.3333E+01	.1000000E+01	.1000000E+01	.7450588E-08	-.1025059E-08
.1923E+01	.2885E+01	.1000000E+01	.1000000E+01	-.7450588E-08	.4175418E-08
.2049E+01	.2439E+01	.1000000E+01	.1000000E+01	.2980232E-07	-.2700907E-07
.2083E+01	.2083E+01	.1000000E+01	.9999999E+00	-.1817948E-05	.1095466E-05
.2059E+01	.1765E+01	.9999991E+00	.1000001E+01	.1788688E-04	-.9269148E-05
.2000E+01	.1500E+01	.1000038E+01	.9999694E+00	-.7773195E-04	.3070378E-04
.1923E+01	.1282E+01	.9998811E+00	.1000195E+01	-.1953484E-03	-.1069499E-03
.1838E+01	.1103E+01	.9994474E+00	.1000550E+01	-.1113180E-01	-.5541776E-02
.1752E+01	.9554E+00	.9526017E+00	.8465028E+00	.5602888E-02	-.1594458E+00
.1667E+01	.8333E+00	.7242706E+00	.7478024E+00	-.2360348E-01	-.3225826E+00
.1585E+01	.7317E+00	.5556216E+00	.5697948E+00	-.3173798E-01	-.5062826E+00
.1509E+01	.6494E+00	.3941228E+00	.4222418E+00	-.2858865E-01	-.9310806E+00
.1437E+01	.5747E+00	.2687257E+00	.2725706E+00	-.3881348E-02	-.1319438E+01
.1370E+01	.5137E+00	.1691928E+00	.1622278E+00	.2596438E-01	-.1664998E+01
.1308E+01	.4615E+00	.1060902E+00	.9307752E-01	.5426058E-01	-.1918008E+01
.1250E+01	.4167E+00	.1256048E+00	.5196955E-01	.7443078E-01	-.2073998E+01
.1196E+01	.3777E+00	.1116774E+00	.2874600E-01	.8289228E-01	-.2147528E+01
.1147E+01	.3440E+00	.1116702E+00	.1576578E-01	.1001738E+00	-.2148138E+01
.1101E+01	.3145E+00	.1256074E+00	.8497766E-02	.1179648E+00	-.2074068E+01
.1058E+01	.2888E+00	.1472558E+00	.4364622E-02	.1435554E+00	-.1915578E+01
.1018E+01	.2665E+00	.1659861E+00	.2073741E-02	.1885234E+00	-.1660148E+01
.9800E+00	.2500E+01	.1000000E+01	.1000000E+01	.7450588E-08	-.2388617E-08
.9434E+00	.3302E+01	.1000000E+01	.1000000E+01	-.7450588E-08	.3155478E-08
.1293E+01	.3017E+01	.1000000E+01	.1000000E+01	-.7450588E-08	.2463028E-09
.1538E+01	.2692E+01	.1000000E+01	.1000000E+01	-.8940700E-07	.4559728E-07
.1689E+01	.2385E+01	.1000000E+01	.9999999E+00	-.1043088E-05	.6117838E-06
.1765E+01	.2089E+01	.9999991E+00	.1000001E+01	.1490212E-04	-.9318138E-05
.1780E+01	.1780E+01	.1000004E+01	.9999950E+00	-.9920935E-04	.4231778E-04
.1770E+01	.1549E+01	.9999926E+00	.1000077E+01	.1490368E-03	-.7411938E-04
.1731E+01	.1349E+01	.9999992E+00	.1000012E+01	-.1854008E-03	-.8038144E-05
.1678E+01	.1174E+01	.9998851E+00	.1000119E+01	-.2216118E-02	-.1149260E-02
.1616E+01	.1026E+01	.9976760E+00	.1002377E+01	-.4768058E-01	-.2349418E-01
.1554E+01	.9007E+00	.7239604E+00	.7047011E+00	.1921748E-01	-.3230148E+00
.1491E+01	.8026E+00	.5522682E+00	.5151355E+00	-.2100248E-01	-.5237728E+00
.1426E+01	.7143E+00	.4494358E+00	.4862514E+00	-.3736059E-01	-.7997088E+00
.1369E+01	.6386E+00	.3100018E+00	.3324348E+00	-.1771058E-01	-.1154998E+01
.1311E+01	.5732E+00	.2221068E+00	.2063748E+00	.1268628E-01	-.1507928E+01
.1257E+01	.5172E+00	.1668485E+00	.1422192E+00	.2445378E-01	-.1792828E+01
.1206E+01	.4692E+00	.1377906E+00	.6886978E-01	.6896138E-01	-.1982028E+01
.1159E+01	.4282E+00	.1253123E+00	.3779000E-01	.8818778E-01	-.2076948E+01
.1114E+01	.3929E+00	.1243266E+00	.2035912E-01	.1040658E+00	-.2084538E+01
.1071E+01	.3571E+00	.1194787E+00	.1006318E-01	.1247018E+00	-.2004028E+01
.1032E+01	.3268E+00	.1011147E+00	.5181885E-02	.1506498E+00	-.1826448E+01
.9948E+00	.3012E+00	.7216745E+00	.2217738E-02	.1806858E+00	-.1519858E+01
.9584E+00	.2777E+01	.1000000E+01	.1000000E+01	-.2980232E-07	.9309798E-08
.7353E+00	.2941E+01	.1000000E+01	.1000000E+01	.7450588E-08	-.9967888E-08
.1027E+01	.2749E+01	.1000.0E+01	.1000000E+01	-.9238728E-08	.4875058E-06
.1250E+01	.2500E+01	.9999995E+00	.1000000E+01	.2533828E-05	-.1197798E-05
.1404E+01	.2247E+01	.9999995E+00	.1000000E+01	.1795558E-05	-.1103138E-05
.1500E+01	.2000E+01	.1000021E+01	.9999870E+00	-.4810428E-04	.2045318E-04
.1549E+01	.1770E+01	.9999971E+00	.1000032E+01	.8887438E-04	-.2928148E-04
.1563E+01	.1563E+01	.9999987E+00	.1000000E+01	.1105748E-03	-.6534675E-04
.1552E+01	.1379E+01	.1000000E+01	.9999937E+00	-.3203908E-03	.6317098E-04
.1524E+01	.1220E+01	.9999481E+00	.1000076E+01	-.1802558E-02	-.7590438E-03
.1486E+01	.1081E+01	.9983424E+00	.1001746E+01	-.3453958E-01	-.1730698E-01
.1442E+01	.9615E+00	.7403451E+00	.6551958E+00	.4712938E-01	-.2525688E+00
.1395E+01	.8594E+00	.5078016E+00	.5171006E+00	-.9278408E-02	-.4978558E+00
.1346E+01	.7707E+00	.3476146E+00	.3601525E+00	-.1251728E-01	-.7403558E+00
.1296E+01	.6935E+00	.2431721E+00	.2533826E+00	-.1021058E-01	-.1048558E+01

CYLINDER

$R/\lambda = 20$ $\quad T_e/T_i = 1$ $\quad V/C_i = 4$ $\quad e\phi_s/KT_e = -1$

Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.1250E+01	.0000E+00	.2509E+00	.2467E+00	.4274E-02	-.1382E+01
.1204E+01	.5000E+00	.1500E+00	.1502E+00	.3605E-04	-.1678E+01
.1160E+01	.8155E+00	.1314E+00	.1305E+00	.8905E-03	-.1687E+01
.1118E+01	.9700E+00	.1256E+00	.1203E+00	.5311E-02	-.1957E+01
.1078E+01	.9310E+00	.1341E+00	.1249E+00	.9167E-02	-.2008E+01
.1040E+01	.8390E+00	.1460E+00	.1263E+00	.1941E-01	-.1921E+01
.1004E+01	.8050E+00	.1706E+00	.1525E+00	.1812E-01	-.1732E+01
.9690E+00	.8373E+00	.2389E+00	.2262E+00	.1272E-01	-.1431E+01
.9049E+00	.2744E+01	.1000E+01	.1000E+01	.1680E-05	-.4876E-06
.5882E+00	.2647E+01	.1000E+01	.1000E+01	-.7227E-06	.4782E-06
.8333E+00	.2500E+01	.9999E+00	.1000E+01	.1091E-04	-.5342E-05
.1031E+01	.2320E+01	.1000E+01	.9999E+00	.1979E-04	.9001E-05
.1179E+01	.2123E+01	.9999E+00	.1000E+01	.1289E-04	-.5697E-05
.1282E+01	.1923E+01	.9999E+00	.1000E+01	.5496E-04	-.1992E-04
.1346E+01	.1731E+01	.9999E+00	.1000E+01	.2605E-04	-.2605E-04
.1379E+01	.1552E+01	.1000E+01	.9999E+00	-.2057E-03	.7925E-04
.1389E+01	.1389E+01	.1000E+01	.9999E+00	-.1222E-03	.4894E-04
.1381E+01	.1243E+01	.9996E+00	.1000E+01	-.4432E-03	.3915E-03
.1361E+01	.1114E+01	.9945E+00	.1000E+01	-.9835E-02	.5066E-02
.1333E+01	.1000E+01	.9842E+00	.1001E+01	-.1189E-01	-.5938E-01
.1300E+01	.9000E+00	.9195E+00	.5779E+00	.4151E-01	-.4787E+00
.1264E+01	.8123E+00	.4922E+00	.5099E+00	-.1790E-01	-.7088E+00
.1225E+01	.7355E+00	.3756E+00	.4024E+00	-.2681E-01	-.9706E+00
.1187E+01	.6677E+00	.2751E+00	.2797E+00	-.4746E-02	-.1269E+01
.1149E+01	.6081E+00	.2055E+00	.1744E+00	.3117E-01	-.1581E+01
.1111E+01	.5555E+00	.1657E+00	.1009E+00	.6485E-01	-.1795E+01
.1075E+01	.5090E+00	.1477E+00	.9562E-01	.5214E-01	-.1912E+01
.1040E+01	.4677E+00	.1465E+00	.2879E+00	-.1414E+00	-.1920E+01
.1006E+01	.4310E+00	.1618E+00	.1402E+00	.1481E+00	-.1821E+01
.9735E+00	.3986E+00	.1991E+00	.6304E-02	.1931E+00	-.1613E+01
.9426E+00	.3689E+00	.2707E+00	.2647E-02	.2680E+00	-.1308E+01
.2475E+00	.2475E+01	.1000E+01	.9999E+00	-.3963E-05	.1599E-05
.4808E+00	.2404E+01	.9999E+00	.1000E+01	.5371E-05	-.3270E-05
.6881E+00	.2294E+01	.1000E+01	.9999E+00	-.5331E-04	.2437E-04
.8821E+00	.2155E+01	.9999E+00	.1000E+01	.4833E-04	-.2941E-04
.1000E+01	.2000E+01	.1000E+01	.9999E+00	-.7823E-04	.3297E-04
.1103E+01	.1838E+01	.9999E+00	.1000E+01	.3704E-04	-.2508E-04
.1174E+01	.1678E+01	.1000E+01	.9998E+00	-.2792E-03	.1300E-03
.1220E+01	.1524E+01	.9999E+00	.1000E+01	.2088E-03	-.6839E-04
.1243E+01	.1381E+01	.9998E+00	.1000E+01	.1600E-03	-.1260E-03
.1250E+01	.1250E+01	.9998E+00	.1000E+01	-.9235E-03	-.1069E-03
.1244E+01	.1131E+01	.9988E+00	.1004E+01	-.8326E-02	-.4001E-02
.1230E+01	.1025E+01	.9926E+00	.1049E+01	-.9807E-01	-.4829E-01
.1200E+01	.9294E+00	.8174E+00	.5472E+00	.7022E-01	-.4822E+00
.1162E+01	.8446E+00	.5000E+00	.5139E+00	-.1401E-01	-.6932E+00
.1154E+01	.7692E+00	.3911E+00	.4103E+00	-.2508E-01	-.9387E+00
.1124E+01	.7022E+00	.2932E+00	.2998E+00	-.6615E-02	-.1226E+01
.1093E+01	.6427E+00	.2220E+00	.1923E+00	.2958E-01	-.1504E+01
.1061E+01	.5896E+00	.1759E+00	.1126E+00	.6338E-01	-.1715E+01
.1031E+01	.5424E+00	.1613E+00	.6124E-01	.1001E+00	-.1824E+01
.1000E+01	.5000E+00	.1619E+00	.3102E-01	.1311E+00	-.1820E+01
.9704E+00	.4616E+00	.1836E+00	.1432E-01	.1693E+00	-.1698E+01
.9418E+00	.4268E+00	.2358E+00	.5885E-02	.2301E+00	-.1444E+01
.9141E+00	.3955E+00	.3078E+00	.1000E+01	.2078E+00	-.1000E+01
.2049E+00	.2449E+01	.1000E+01	.9999E+00	-.5166E-05	.1504E-05
.4000E+00	.2200E+01	.1000E+01	.9999E+00	-.1977E-04	.8760E-05
.5789E+00	.2113E+01	.9999E+00	.1000E+01	.1034E-03	-.4556E-04
.7295E+00	.2007E+01	.1000E+01	.9999E+00	-.8850E-04	.3150E-04
.8522E+00	.1884E+01	.9999E+00	.1000E+01	.4000E-04	-.3344E-04
.9554E+00	.1752E+01	.1000E+01	.9999E+00	-.1067E-03	.4320E-04

CYLINDER

$R/\lambda = 20$ $\quad T_e/T_i = 1$ $\quad V/C_i = 4$ $\quad e\phi_s/KT_e = -1$

Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.1029E+01	.1616E+01	.9998E-01	.1000178+01	.4507268-03	-.1688878-03
.1018E+01	.1466E+01	.1000038+01	.9999858+00	-.2018148-03	.3451878-04
.1114E+01	.1361E+01	.1000128+01	.9998828+00	-.3038348-03	.1178408-03
.1131E+01	.1244E+01	.9998528E+00	.1001047E+01	-.3195818-03	-.4726868-03
.1138E+01	.1139E+01	.9947858E+00	.1001226E+01	-.9471438-02	-.5248748-02
.1132E+01	.1038E+01	.9995328E+00	.1005315E+01	-.1037578+00	-.3178868-01
.1121E+01	.9483E+00	.8278258E+00	.5618558E+00	.2659038-01	-.4654948+00
.1104E+01	.8678E+00	.3038958E+00	.3186818E+00	-.1268598-01	-.6612818+00
.1084E+01	.7948E+00	.4006018E+00	.4281308E+00	-.2766838-01	-.9147848+00
.1061E+01	.7294E+00	.3037848E+00	.3135811E+00	-.8026378-02	-.1104868+01
.1037E+01	.6707E+00	.2285008E+00	.2034678E+00	.2193918-01	-.1440058+01
.1011E+01	.6186E+00	.1935648E+00	.1195248E+00	.7452278-01	-.1641838+01
.9855E+00	.5703E+00	.1762798E+00	.8386198-01	.1126298E+00	-.1735128+01
.9597E+00	.5278E+00	.1806718E+00	.8126678-01	.1149978E+00	-.1711068+01
.9342E+00	.4893E+00	.2092538E+00	.1395068-01	.1954508E+00	-.1564218+01
.9091E+00	.4545E+00	.2731158E+00	.5686148-02	.2675098E+00	-.1297868+01
.8846E+00	.4231E+00	.3678798E+00	.1000008+01	.0000008E+00	-.1000008+01
.1724E+00	.2069E+01	.9999998E+00	.1000008+01	.2086038-04	-.1418648-05
.3376E+00	.2027E+01	.9999978E+00	.1000028+01	.2798948-04	-.2388198-04
.4962E+00	.1981E+01	.1000068E+01	.9999448E+00	-.1202308-03	.5629978-04
.6258E+00	.1875E+01	.1000038E+01	.9999978E+00	-.1668168-04	.2980018-04
.7396E+00	.1775E+01	.9999628E+00	.1000218E+01	.1821628-03	-.1080258-03
.8333E+00	.1667E+01	.1000018E+01	.9998988E+00	-.2270048-03	.1022758-03
.9067E+00	.1554E+01	.1000018E+01	.9999948E+00	-.5306978-04	.5690518-05
.9615E+00	.1442E+01	.1000058E+01	.9999148E+00	-.1515458-03	.8681118-04
.1000E+01	.1333E+01	.9999678E+00	.1000158E+01	.1916968-03	-.1529398-03
.1025E+01	.1230E+01	.9999278E+00	.1000078E+01	-.1208058-02	-.7148738-03
.1038E+01	.1132E+01	.9997018E+00	.1000318E+01	-.1326478-01	-.8268478-02
.1042E+01	.1042E+01	.9944308E+00	.1005888E+01	-.1145728E+00	-.5717298E-01
.1038E+01	.9563E+00	.8373738E+00	.9611358E+00	.5616078E-01	-.4504008E+00
.1029E+01	.8824E+00	.5054218E+00	.5068228E+00	-.2868518E-02	-.6823648E+00
.1016E+01	.8135E+00	.4022408E+00	.4233688E+00	-.2059828E-01	-.9107068E+00
.1000E+01	.7500E+00	.3121328E+00	.3132528E+00	-.1245458E-02	-.1108438E+01
.9815E+00	.6920E+00	.2458098E+00	.2644448E+00	.4100548E-01	-.1404028E+01
.9615E+00	.6410E+00	.2067898E+00	.1187318E+00	.8800758E-01	-.1576068E+01
.9406E+00	.5941E+00	.1933338E+00	.6194418E-01	.1313868E+00	-.1684338E+01
.9191E+00	.5515E+00	.2042828E+00	.2903418E-01	.1752868E+00	-.1588268E+01
.8974E+00	.5126E+00	.2477038E+00	.1194378E-01	.2358728E+00	-.1339588E+01
.8758E+00	.4777E+00	.3078798E+00	.1000008+01	.0000008E+00	-.1000008+01
.8544E+00	.4458E+00	.3078798E+00	.1000008+01	.0000008E+00	-.1000008+01
.8471E+00	.1912E+01	.9998808E+00	.1000128+01	.1805138E-03	-.1195658E-03
.2895E+00	.1875E+01	.1000138E+01	.9998918E+00	-.2709788E-03	.1492328E-03
.4213E+00	.1826E+01	.9998418E+00	.1000168+01	.3587978E-03	-.1585998E-03
.5403E+00	.1737E+01	.9998038E+00	.1000178+01	.2485038E-03	-.1870618E-03
.6443E+00	.1675E+01	.1000248+01	.9997588E+00	-.8004478E-03	.2418228E-03
.7317E+00	.1585E+01	.9998678E+00	.1000138+01	.4832458E-03	-.1327758E-03
.8028E+00	.1491E+01	.9999048E+00	.1000028E+01	-.2752118E-04	-.1683418E-04
.8584E+00	.1395E+01	.9999918E+00	.1000058+01	.1008928E-03	-.6988128E-04
.9000E+00	.1300E+01	.9999978E+00	.1000078+01	-.3770858E-03	-.7252158E-04
.9294E+00	.1206E+01	.9998248E+00	.1000158+01	-.1978358E-02	-.9759818E-03
.9483E+00	.1121E+01	.9991478E+00	.1000608+01	-.1068728E-01	-.8506248E-02
.9585E+00	.1038E+01	.9980048E+00	.1001778+01	-.1307798E+00	-.6545018E-01
.9615E+00	.9615E+00	.8859788E+00	.9748088E+00	.8170918E-01	-.4528868E+00
.9589E+00	.8904E+00	.5002248E+00	.4988418E+00	.1319478E-02	-.8924698E+00
.9518E+00	.8249E+00	.2968758E+00	.2155838E+00	-.1870128E-01	-.9188578E+00
.9412E+00	.7697E+00	.2139838E+00	.1059458E+00	.8472048E-02	-.1158428E+01
.9279E+00	.7098E+00	.2021048E+00	.1961398+00	.5050018E-01	-.1373728E+01
.9128E+00	.6592E+00	.2019678E+00	.1112228+00	.1067108E+00	-.1514188E+01
.8962E+00	.6132E+00	.2132728E+00	.5579158E-01	.1574598E+00	-.1545188E+01
.8787E+00	.5712E+00	.2353408E+00	.2501498E-01	.2088318E+00	-.1453498E+01

CYLINDER

$R/\lambda = 20$ $T_e/T_i = 1$ $V/C_i = 4$ $e\phi_s/KT_e = -1$

	Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
	.ccC7E+00	.5326E+0C	.2cc4C44E+CC	.1CC5594E-01	.2735978+CC	-.1256e3E+01
	.5423E+00	.4577E+0C	.3e7879E+CC	.1CCCCCE+01	.CCCCCCE+CC	-.1CCCCCE+01
	.8236E+0C	.4e36E+CC	.3e7e79E+CC	.1CCCCCE+01	.CCCCCCE+CC	-.1CCCCCE+01
	.12e9E+00	.1777E+01	.1CCC42E+C1	.9999eCE+C0	-.847250E-C3	.419e5CE-C3
	.25CCE+00	.1750E+01	.999e41E+CC	.1CCCe2E+C1	.e3895CE-C2	-.3591e1E-03
	.3E59E+00	.17C7E+01	.1CCC23E+C1	.9997715+C0	-.735715E-C3	.22945CE-C3
	.4717E+00	.1e51e+01	.1CCCe6E+C1	.9997435+CC	-.5e955e4E-C3	.2574e7E-03
	.5E5CE+CC	.15e4E+01	.1CCCleE+C1	.9999435+C0	.1C2945E-C3	.37C24CE-C4
	.e4eeE+00	.15C9E+01	.9999513E+CC	.1CCCC9E+C1	.e15795CE-C4	-.e72074E-04
	.7143E+00	.1429E+01	.1CC0e0E+C1	.9997975+CC	-.42CE81CE-C3	.2029e9E-C3
	.7e92e+00	.1346E+01	.1CDCC4E+C1	.9999e2E+C0	-.911653E-C4	.e7432e7E-04
	.8123E+00	.12e4E+01	.9997e37E+CC	.1CCe74E+C1	-.5172195+C3	-.142832E-03
	.8446E+00	.1182E+01	.999e38E+CC	.1CC1eCE+C1	-.3179C4E-C2	-.1663C0E-02
	.8675E+00	.1.C4E+01	.9eee21eE+CC	.1C11926+C1	-.2510426-C1	-.11e543E-01
	.8824E+00	.1C29E+C1	.929E02E+CC	.1CE014E+C1	-.1e4113E+CC	-.17095CE-01
	.89C4E+00	.95e9E+0C	.e2e3e3E+CC	.95e1e4E+C0	.e98C0EE-C1	-.4e7825E+00
	.e9e9E+00	.8929E+0C	.4e97e7E+CC	.4843176+C0	.e42eC1E-C2	-.713786E+00
	.9907E+00	.e314E+0C	.e9e702E+CC	.395e5E5E+C0	-.5931246-C2	-.9396C9E+00
	.8E5CE+CC	.7743E+CC	.3121E9E+CC	.28eC93E+C0	.2eC2C2E-C1	-.11e415E+01
	.87e3E+00	.7216E+CC	.2e9279E+CC	.1782916+CC	.eC2815E-C1	-.1349e5E+01
	.8ee4E+CC	.e731E+0C	.2847C7E+CC	.9722C7E-C1	.13744CE+CC	-.144942E+01
	.8528E+00	.e284E+0C	.239e04E+CC	.4571e1E-01	.194CE2E+CC	-.142792E+01
	.8e89E+00	.5875E+CC	.2e1ee1E+CC	.1837746-01	.1e6327E+CC	-.1267C5E+01
	.8242E+00	.5495E+0C	.3e7e79E+CC	.1CCCCCE+01	.CCCCCCE+CC	-.1CCCCCE+01
	.8C88E+00	.5147E+0C	.3e7e79E+CC	.1CCCCCE+C1	.CCCCCCE+CC	-.1CCCCCE+01
	.7931E+00	.4826E+CC	.3e7879E+CC	.1CCCCCE+C1	.CCCCCCE+CC	-.1CCCCCE+01
	.11C6E+00	.1659E+C1	.9996e7E+CC	.1CCC23E+C1	.9152375-C3	-.333114E-03
	.2163E+00	.1e3EE+01	.1CCC3CE+C1	.9997C5E+C0	-.85e42CE-C3	.2951495-C3
	.3205E+00	.1e03E+01	.9996950E+CC	.1CCCC5E+C1	.4504555-C3	-.5C1462E-04
	.4145E+00	.155CE+C1	.9996e4E+CC	.1CCC16E+C1	.3e7158E-C3	-.17e3eCE-03
	.5CCCE+00	.15CCE+C1	.9996e3CE+CC	.1CCC15E+C1	.4933185-C3	-.15C49CE-03
	.5747E+CC	.1437E+01	.1CCC2CE+C1	.9997e2E+C0	-.3516975-C3	.2C3928E-C3
	.6387E+00	.13e9E+01	.9997935E+CC	.1CCC21E+C1	.177e221E-C3	-.207352E-03
	.692CE+00	.1298E+01	.9996e0E+CC	.1CCC21E+C1	.3C3291E-C3	-.313e91E-03
	.7353E+00	.1225E+01	.9996e5E+CC	.1CCC72E+C1	-.e37222E-C3	-.7152C3E-03
	.7e92E+00	.1154E+01	.9e6795E+CC	.1CC3e2E+C1	-.e3C9195-C2	-.3e1CC7E-02
	.7948E+00	.10e4E+01	.9e2376E+CC	.1C17945+C1	-.3597955-C1	-.1778C9E-01
	.813CE+00	.1C1eE+01	.9Ce241E+CC	.11C1C3E+C1	-.193552E+CC	-.962454E-C1
	.8249E+00	.9518E+CC	.6Ce758E+CC	.5276e4E+C0	.8C847eE-C1	-.496335E+00
	.8314E+00	.89C7E+0C	.4744leE+CC	.4eeeeeE+C0	.5486595E-C2	-.7456e5E+00
	.8333E+00	.8333E+0C	.3785e3E+CC	.37C5e9E+CC	.e3e4C4E-C2	-.5703445+00
	.8316E+00	.779eE+0C	.2Ce4e1E+CC	.2e6e25E+C0	.9159285-C1	-.11761CE+01
	.8e68E+0C	.729eE+0C	.2e5470E+CC	.152e944E+C0	.1115eCE+CC	-.132626E+01
	.8197E+00	.6e31E+0C	.2520C6E+CC	.795173E-C1	.1724957E+CC	-.13782CE+01
	.81Cee+00	.6399E+0C	.2742e3E+CC	.3478e5E-01	.2394eCE+CC	-.12936CE+01
	.8CCCE+00	.8CCCE+0C	.3e7879E+CC	.1CCCCCE+C1	.CCCCCCE+CC	-.1CCCCCE+01
	.7e83E+00	.5e31E+0C	.3e7879E+CC	.1CCeCCE+C1	.CCCCCCE+CC	-.1CCCCCE+01
	.7757E+00	.5269E+CC	.3e7e79E+CC	.1CCCCCE+C1	.CCCCCCE+CC	-.1CCCCCE+01
	.762eE+00	.4973E+CC	.3e7879E+CC	.1CCCCCE+C1	.CCCCCCE+CC	-.1CCCCCE+01
	.9726E-01	.1552E+C1	.9997e3E+CC	.1CCC26E+C1	.5C2256E-C3	-.25e75CE-C3
	.1923E+00	.1536E+01	.9996e7E+CC	.1CCC17E+C1	.3533C7E-C3	-.173C93E-03
12	.2e3CE+00	.1509E+01	.9995e5E+CC	.1CCC45E+C1	.51C7e2E-C3	-.454719E-03
11	.3e7CE+00	.1471E+01	.1CCC74E+C1	.9995e8E+C0	-.14893CE-C2	.742744E-03
10	.4446E+0C	.14e3E+01	.9996e9E+CC	.1CCC3eE+C1	.1e14e9E-C2	-.36071EE-03
9	.5137E+0C	.137CE+C1	.9997e1E+CC	.1CCCe9E+C1	.4991e7E-C3	-.2898e0E-03
8	.5738E+00	.13e1E+01	.9996e9E+CC	.1CCC3CE+C1	.5C4e1CE-C4	-.3e07e2E-03
7	.e25CE+00	.12e0E+01	.9996e4E+CC	.1CCC37E+C1	-.5576e2E-C3	-.3e6445E-03
6	.e677E+00	.11e7E+01	.9996e0E+CC	.1CC13CE+C1	-.2e7917E-C2	-.129449E-02
5	.7Ce2E+00	.1124E+01	.9996e3E+CC	.1CC71EE+C1	-.1e96e9E-C1	-.715226E-02
4	.7254E+00	.1CC1E+01	.9996e2E+CC	.1C1497E+C1	-.e8527eE-C1	-.3437e3E-01
3						

CYLINDER

$R/\lambda = 20$ $T_e/T_i = 1$ $V/C_i = 4$ $e\phi_s/KT_e = -1$

Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.7500E+00	.1000E+01	.861888E+00	.116051E+01	-.298934E+00	-.148862E+00
.7647E+00	.9412E+00	.579721E+00	.506709E+00	.729719E-01	-.543209E+00
.7743E+00	.8850E+00	.451922E+00	.437422E+00	.144734E-01	-.794232E+00
.7796E+00	.8316E+00	.364518E+00	.331993E+00	.324916E-01	-.100918E+01
.7813E+00	.7813E+00	.304952E+00	.218121E+00	.867975E-01	-.118760E+01
.7798E+00	.7339E+00	.273928E+00	.123675E+00	.150223E+00	-.129490E+01
.7759E+00	.6897E+00	.272532E+00	.612275E-01	.210985E+00	-.130073E+01
.7699E+00	.6483E+00	.303073E+00	.277224E-01	.273341E+00	-.119378E+01
.7622E+00	.6098E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.7532E+00	.5739E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.7432E+00	.5405E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.7325E+00	.5096E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.8621E-01	.1466E+01	.999859E+00	.100014E+01	-.388179E-03	-.140958E-03
.1706E+00	.1451E+01	.100034E+01	.999862E+00	-.569825E-03	.338258E-03
.2517E+00	.1426E+01	.100059E+01	.999407E+00	-.115642E-02	.593177E-03
.3279E+00	.1393E+01	.999620E+00	.100038E+01	.180478E-02	-.380249E-03
.3981E+00	.1354E+01	.999773E+00	.100023E+01	-.245892E-03	-.227519E-03
.4615E+00	.1308E+01	.999958E+00	.100004E+01	-.765763E-03	-.418407E-04
.5176E+00	.1257E+01	.100000E+01	.100000E+01	-.142861E-02	.279848E-06
.5668E+00	.1204E+01	.999183E+00	.100082E+01	-.257335E-02	-.817474E-03
.6081E+00	.1149E+01	.995978E+00	.100404E+01	-.874048E-02	-.402995E-02
.6427E+00	.1093E+01	.981433E+00	.101892E+01	-.376592E-01	-.187416E-01
.6707E+00	.1037E+01	.918607E+00	.108881E+01	-.169926E+00	-.848572E-01
.6928E+00	.9815E+00	.679339E+00	.544895E+00	.134442E+00	-.386635E+00
.7098E+00	.9279E+00	.527132E+00	.490637E+00	.364789E-01	-.640304E+00
.7218E+00	.8763E+00	.423576E+00	.395593E+00	.279834E-01	-.859022E+00
.7296E+00	.8266E+00	.350199E+00	.281427E+00	.687517E-01	-.104926E+01
.7339E+00	.7796E+00	.305050E+00	.172012E+00	.133020E+00	-.118728E+01
.7353E+00	.7353E+00	.289837E+00	.903881E-01	.199434E+00	-.123844E+01
.7341E+00	.6933E+00	.307554E+00	.411123E-01	.266433E+00	-.117910E+01
.7308E+00	.6538E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.7257E+00	.6168E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.7192E+00	.5822E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.7115E+00	.5498E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.7029E+00	.5196E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.7692E-01	.1385E+01	.100054E+01	.999482E+00	-.105866E-02	.537963E-03
.1524E+00	.1372E+01	.999580E+00	.100042E+01	.113702E-02	-.420406E-03
.2252E+00	.1351E+01	.100017E+01	.999831E+00	-.182375E-03	.169414E-03
.2941E+00	.1324E+01	.999310E+00	.100069E+01	.113298E-02	-.689920E-03
.3582E+00	.1289E+01	.999849E+00	.100015E+01	-.103679E-02	-.151289E-03
.4167E+00	.1250E+01	.999682E+00	.100032E+01	-.915021E-03	-.317954E-03
.4692E+00	.1206E+01	.999298E+00	.100070E+01	-.213751E-02	-.703923E-03
.5155E+00	.1160E+01	.997238E+00	.100277E+01	-.825684E-02	-.276554E-02
.5556E+00	.1111E+01	.989211E+00	.101091E+01	-.219110E-01	-.108474E-01
.5896E+00	.1061E+01	.959265E+00	.104244E+01	-.829430E-01	-.415672E-01
.6180E+00	.1011E+01	.858437E+00	.116491E+01	-.306283E+00	-.152842E+00
.6410E+00	.9615E+00	.610067E+00	.530164E+00	.800173E-01	-.493203E+00
.6592E+00	.9128E+00	.483443E+00	.448536E+00	.349020E-01	-.726822E+00
.6731E+00	.8654E+00	.397354E+00	.338147E+00	.592031E-01	-.922927E+00
.6831E+00	.8197E+00	[illegible]	.220113E+00	.120255E+00	-.107640E+01
.6857E+00	.7719E+00	.313920E+00	.125924E+00	.188982E+00	-.116175E+01
.6933E+00	.7341E+00	[illegible]	[illegible]	.255586E+00	-.114319E+01
.6944E+00	.6944E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.6934E+00	.6585E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.6906E+00	.6215E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.6863E+00	.5862E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.6807E+00	.5559E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.6741E+00	.5275E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.6906E-01	.1312E+01	.998705E+00	.100021E+01	-.145049E-02	-.210879E-03
.1370E+00	.1301E+01	.999881E+00	.100014E+01	-.110218E-02	-.133028E-03

CYLINDER

$R/\lambda = 20$ $T_e/T_i = 1$ $V/C_i = 4$ $e\phi_s/KT_e = -1$

Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.2027E+00	.1264E+01	.9995E7E+00	.1000132E+01	-.5004C5E-03	-.1334E3E-03
.2653E+00	.1200E+01	.9995C7E+00	.1000732E+01	-.7313195E-03	-.7330128E-03
.3238E+00	.1231E+01	.9999479E+00	.1000522E+01	-.2347322E-02	-.5213832E-03
.3770E+00	.1156E+01	.9996E5EE+00	.1001017E+01	-.5447952E-02	-.1164827E-02
.4268E+00	.1159E+01	.9996E82E+00	.1001332E+01	-.6201332E-02	-.2332831E-02
.4700E+00	.1116E+01	.9991C32E+00	.1000505E+01	-.1790332E-01	-.9008832E-02
.5050E+00	.1078E+01	.9971939E+00	.1002E07E+01	-.5709647E-01	-.2894027E-01
.5423E+00	.1035E+01	.9952EEEE+00	.1004E85E+01	-.1992241E+00	-.9952E5E-01
.5705E+00	.9855E+00	.9855C3EE+00	.1005E07E+00	.1207246E+00	-.3776C3E+00
.5941E+00	.9406E+00	.9407477E+00	.4932795E+00	.4774744E-01	-.8148C3E+00
.6132E+00	.8962E+00	.4426706E+00	.3EE2E65E+00	.3406285E-01	-.8149231E+00
.6284E+00	.8522E+00	.3772C7E+00	.2859195E+00	.1113E46E+00	-.9746955E+00
.6399E+00	.8106E+00	.3426933E+00	.2332226E+00	.1871E41E+00	-.1C718CE+01
.6485E+00	.7695E+00	.3226226E+00	.8C5742EE-01	.2525E62E+00	-.1C9983E+01
.6536E+00	.7306E+00	.3E7E79E+00	.1CCCCCE+01	.CCCCCCE+00	-.1CCCCCE+01
.6569E+00	.6934E+00	.3E7E79E+00	.1CCCCCE+01	.CCCCCCE+00	-.1CCCCCE+01
.6579E+00	.6579E+00	.3E7E79E+00	.1CCCCCE+01	.CCCCCCE+00	-.1CCCCCE+01
.6576E+00	.6246E+00	.3E7E79E+00	.1CCCCCE+01	.CCCCCCE+00	-.1CCCCCE+01
.6546E+00	.5923E+00	.3E7E79E+00	.1CCCCCE+01	.CCCCCCE+00	-.1CCCCCE+01
.6509E+00	.5621E+00	.3E7E79E+00	.1CCCCCE+01	.CCCCCCE+00	-.1CCCCCE+01
.6461E+00	.5337E+00	.3E7E79E+00	.1CCCCCE+01	.CCCCCCE+00	-.1CCCCCE+01
.6234E-01	.1247E+01	.9976144E+00	.1002359E+01	-.4174706E-02	-.2387E7E-02
.1225E+00	.1225E+01	.9985755E+00	.1001148E+01	-.3271313E-02	-.1213225E-02
.1834E+00	.1222E+01	.9984852E+00	.1001155E+01	-.2357E7E-02	-.1549C1E-02
.2404E+00	.1202E+01	.9986852E+00	.1001155E+01	-.1457253E-02	-.1594950E-02
.2941E+00	.1170E+01	.9986E6EE+00	.1003C4E+01	-.3718E2E-02	-.3C3853E-02
.3440E+00	.1147E+01	.9984E19E+00	.1005416+01	-.1233455E-01	-.5395544E-02
.3896E+00	.1114E+01	.9982E94E+00	.1011E4E+01	-.2352222E-01	-.1177486E-01
.4310E+00	.1078E+01	.9979522E+00	.1022E7E+01	-.5239496E-01	-.2038C0E-01
.4678E+00	.1046E+01	.9934E5EE+00	.1037CC2E+01	-.1235353E+00	-.6726743E-01
.5000E+00	.1000E+01	.9831136E+00	.1060316E+01	-.3717826E+00	-.1849726E+00
.5276E+00	.9597E+00	.9602226E+00	.5222406E+00	.7992142E-01	-.3C7123E+00
.5515E+00	.9191E+00	.4833C3E+00	.4306944E+00	.4C4479E-01	-.7226946E+00
.5712E+00	.8787E+00	.4062C1E+00	.3100C3E+00	.9E49911E-01	-.3952C2E+00
.5872E+00	.8389E+00	.3C81122E+00	.1666935E+00	.1811776E+00	-.9993E7E+00
.6000E+00	.8000E+00	.3E7E79E+00	.1CCCCCE+01	.CCCCCCE+00	-.1CCCCCE+01
.6096E+00	.7622E+00	.3E7E79E+00	.1CCCCCE+01	.CCCCCCE+00	-.1CCCCCE+01
.6168E+00	.7257E+00	.3E7E79E+00	.1CCCCCE+01	.CCCCCCE+00	-.1CCCCCE+01
.6215E+00	.6906E+00	.3E7E79E+00	.1CCCCCE+01	.CCCCCCE+00	-.1CCCCCE+01
.6242E+00	.6576E+00	.3E7E79E+00	.1CCCCCE+01	.CCCCCCE+00	-.1CCCCCE+01
.6250E+00	.6250E+00	.3E7E79E+00	.1CCCCCE+01	.CCCCCCE+00	-.1CCCCCE+01
.6243E+00	.5945E+00	.3E7E79E+00	.1CCCCCE+01	.CCCCCCE+00	-.1CCCCCE+01
.6222E+00	.5656E+00	.3E7E79E+00	.1CCCCCE+01	.CCCCCCE+00	-.1CCCCCE+01
.6185E+00	.5382E+00	.3E7E79E+00	.1CCCCCE+01	.CCCCCCE+00	-.1CCCCCE+01
.5656E-01	.1188E+01	.9950375E+00	.1009725E+01	-.1748716E-01	-.9E7154E-02
.1124E+00	.1186E+01	.9953C2CE+00	.1007C5E+01	-.1288726E-01	-.7CC426E-02
.1667E+00	.1167E+01	.9942515E+00	.1007154E+01	-.1214586E-01	-.7513C2E-02
.2186E+00	.1149E+01	.9913946E+00	.1008E73E+01	-.1764C9E-01	-.8E92C6E-02
.2682E+00	.1127E+01	.9907CCCE+00	.1013161E+01	-.2573E0E-01	-.1307896E-01
.3145E+00	.1101E+01	.9781175E+00	.1022331E+01	-.4416951E-01	-.2220CE7E-01
.3571E+00	.1071E+01	.9559375E+00	.1042254E+01	-.8476E2E-01	-.4146955E-01
.3960E+00	.1040E+01	.9249E1E+00	.1081134E+01	-.1557746E+00	-.7EC035E-01
.4310E+00	.1006E+01	.8875911E+00	.1139E9CE+01	-.3506476E+00	-.1772E5E+00
.4621E+00	.9704E+00	.8497154E+00	.5900411E+00	.3513C9E-01	-.4378377E+00
.4893E+00	.9346E+00	.8146C6E+00	.4822431E+00	.3249116E-01	-.6C5377E+00
.5126E+00	.8974E+00	.4206E31E+00	.3552277E+00	.3C7C112E-01	-.8513C7E+00
.5322E+00	.8607E+00	.3C1425E+00	.2201C3E+00	.1213511E+00	-.9E3751E+00
.5495E+00	.8242E+00	.2E7E79E+00	.1CCCCCE+01	.CCCCCCE+00	-.1CCCCCE+01
.5631E+00	.7883E+00	.2E7E79E+00	.1CCCCCE+01	.CCCCCCE+00	-.1CCCCCE+01
.5739E+00	.7532E+00	.2E7E79E+00	.1CCCCCE+01	.CCCCCCE+00	-.1CCCCCE+01

CYLINDER

$R/\lambda = 20$ $\quad T_e/T_i = 1$ $\quad V/C_i = 4$ $\quad e\phi_s/KT_e = -1$

Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.5822E+00	.7192E+00	.3E7879E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.5882E+00	.6823E+00	.3E7879E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.5923E+00	.6574E+00	.3E7879E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.5945E+00	.6243E+00	.3E7879E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.5952E+00	.5952E+00	.3E7879E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.5946E+00	.5676E+00	.3E7879E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.5920E+00	.5412E+00	.3E7879E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.5159E-01	.1134E+01	.9E7794E+00	.1033280E+01	-.4650731E-01	-.3273586E-01
.1029E+00	.1127E+01	.9741941E+00	.1026655E+01	-.5418224E-01	-.2681991E-01
.1521E+00	.1116E+01	.9735095E+00	.1027635E+01	-.5419528E-01	-.2727377E-01
.2000E+00	.1100E+01	.9E7896E+00	.1033317E+01	-.4718548E-01	-.2262906E-01
.2456E+00	.1081E+01	.9553435E+00	.1048648E+01	-.9E2324E-01	-.4768426-01
.2885E+00	.1059E+01	.9426196E+00	.1079668E+01	-.1534073E+00	-.7666695E-01
.3283E+00	.1032E+01	.8E9C77E+00	.1150695E+01	-.2681628E+00	-.1403824E+00
.3650E+00	.1004E+01	.8662777E+00	.1245686E+01	-.3426511E+00	-.2196786E+00
.3982E+00	.9735E+00	.8357E8E+00	.8321100E+00	.3E6C959E-02	-.4529226E+00
.4281E+00	.9416E+00	.8C5299E+00	.5552186E+00	-.4390646-01	-.8747196E+00
.4545E+00	.9091E+00	.7913E8E+00	.3975595E+00	.3381356-01	-.8486C1E+00
.4777E+00	.8771E+00	.3E7879E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.4977E+00	.8482E+00	.3E7879E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.5147E+00	.8C88E+00	.3E7879E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.5289E+00	.7757E+00	.3E7879E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.5405E+00	.7492E+00	.3E7879E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.5498E+00	.7113E+00	.3E7879E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.5569E+00	.6EC7E+00	.3E7879E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.5621E+00	.6C59E+00	.3E7879E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.5656E+00	.6222E+00	.3E7879E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.5678E+00	.5946E+00	.3E7879E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.5686E+00	.5682E+00	.3E7879E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.5678E+00	.5429E+00	.3E7879E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.4717E-01	.1085E+01	.8979676E+00	.1113995E+01	-.2158836E+00	-.1079466E+00
.9381E-01	.1079E+01	.8C920CE+00	.1099868E+01	-.1910596E+00	-.9516386E-01
.1394E+00	.1069E+01	.8C8E35E+00	.1102746E+01	-.1951646E+00	-.9779726E-01
.1835E+00	.1055E+01	.8952424E+00	.1126546E+01	-.2290496E+00	-.1138146E+00
.2256E+00	.1038E+01	.8850945E+00	.1175166E+01	-.3238376E+00	-.1614076E+00
.2655E+00	.1016E+01	.7E71926E+00	.1270346E+01	-.4830516E+00	-.2392836E+00
.3028E+00	.9948E+00	.6224C5CE+00	.7166C8E+00	-.9255626E-01	-.4715256E+00
.3373E+00	.9696E+00	.5822252E+00	.7382256E+00	-.1755296E+00	-.5758406E+00
.3689E+00	.9426E+00	.4784426E+00	.5974466E+00	-.1196736E+00	-.7372206E+00
.3975E+00	.9141E+00	.3E7879E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.4231E+00	.8846E+00	.3E7879E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.4458E+00	.8544E+00	.3E7879E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.4656E+00	.8238E+00	.3E7879E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.4828E+00	.7931E+00	.3E7879E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.4973E+00	.7626E+00	.3E7879E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.5096E+00	.7325E+00	.3E7879E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.5196E+00	.7029E+00	.3E7879E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.5275E+00	.6741E+00	.3E7879E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.5337E+00	.6461E+00	.3E7879E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.5382E+00	.6189E+00	.3E7879E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.5412E+00	.5926E+00	.3E7879E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.5429E+00	.5676E+00	.3E7879E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.5435E+00	.5435E+00	.3E7879E+00	.1000000E+01	.0000000E+00	-.1000000E+01

CYLINDER

$R/\lambda = 20$ $T_e/T_i = 1$ $V/C_i = 8$ $e\phi_s/KT_e = -5$

	Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
	.2500E+02	.0000E+00	.971048E+00	.971048E+00	-.186265E-06	-.293798E-01
	.1250E+02	.0000E+00	.849058E+00	.849055E+00	.389665E-05	-.163627E+00
	.8333E+01	.0000E+00	.569385E+00	.569300E+00	-.592396E-04	-.563198E+00
	.6250E+01	.0000E+00	.287583E+00	.305764E+00	-.214383E-01	-.124624E+01
	.5000E+01	.0000E+00	.151585E+00	.136498E+00	.152888E-01	-.188661E+01
	.4167E+01	.0000E+00	.116024E+00	.525316E-01	.645859E-01	-.215396E+01
	.3571E+01	.0000E+00	.103442E+00	.179754E-01	.867576E-01	-.226874E+01
	.3125E+01	.0000E+00	.977752E-01	.558238E-02	.936391E-01	-.232508E+01
	.2778E+01	.0000E+00	.956952E-01	.160257E-02	.956095E-01	-.234654E+01
	.2500E+01	.0000E+00	.948498E-01	.433707E-03	.959535E-01	-.235546E+01
12	.2273E+01	.0000E+00	.940937E-01	.113238E-03	.955119E-01	-.236346E+01
11	.2083E+01	.0000E+00	.925753E-01	.295636E-04	.940297E-01	-.237973E+01
10	.1923E+01	.0000E+00	.895031E-01	.801372E-05	.908743E-01	-.241348E+01
9	.1786E+01	.0000E+00	.840532E-01	.238662E-05	.852457E-01	-.247631E+01
8	.1667E+01	.0000E+00	.759064E-01	.804881E-06	.768511E-01	-.257825E+01
7	.1563E+01	.0000E+00	.653756E-01	.325067E-06	.660356E-01	-.272761E+01
6	.1471E+01	.0000E+00	.537306E-01	.154107E-06	.541385E-01	-.292377E+01
5	.1389E+01	.0000E+00	.424473E-01	.884256E-07	.426702E-01	-.315949E+01
4	.1316E+01	.0000E+00	.326716E-01	.610554E-07	.327827E-01	-.342125E+01
3						

CYLINDER

$R/\lambda = 20$ $T_e/T_i = 1$ $V/C_i = 8$ $e\phi_s/KT_e = -5$

	Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
	.1250E+01	.0000E+00	.248749E-01	.602555E-07	.249295E-01	-.369390E+01
	.1190E+01	.0000E+00	.189182E-01	.618188E-07	.189463E-01	-.396763E+01
	.1136E+01	.0000E+00	.144176E-01	.714118E-07	.144303E-01	-.423931E+01
	.1087E+01	.0000E+00	.110517E-01	.876326E-07	.110553E-01	-.450517E+01
	.1250E+02	.1250E+02	.100000E+01	.100000E+01	-.484288E-06	-.239654E-06
	.1000E+02	.5000E+01	.999992E+00	.100001E+01	-.166595E-04	-.808013E-05
	.7500E+01	.2500E+01	.999888E+00	.100011E+01	-.226349E-03	-.112320E-03
	.5882E+01	.1471E+01	.999275E+00	.100073E+01	-.145670E-02	-.724923E-03
	.4808E+01	.9615E+00	.986716E+00	.992620E+00	-.590007E-02	-.133728E-01
	.4054E+01	.6757E+00	.704991E+00	.715999E+00	-.110114E-01	-.349570E+00
	.3500E+01	.5000E+00	.291856E+00	.304378E+00	-.147272E-01	-.123149E+01
	.3077E+01	.3846E+00	.132858E+00	.829336E-01	.506003E-01	-.201848E+01
	.2744E+01	.3049E+00	.104216E+00	.177840E-01	.877003E-01	-.226129E+01
	.2475E+01	.2475E+00	.968881E-01	.321250E-02	.950145E-01	-.233420E+01
	.2254E+01	.2049E+00	.943091E-01	.566654E-03	.952207E-01	-.236118E+01
	.2069E+01	.1724E+00	.921402E-01	.931309E-04	.934882E-01	-.238444E+01
	.1912E+01	.1471E+00	.887322E-01	.151819E-04	.900533E-01	-.242213E+01
	.1777E+01	.1269E+00	.830537E-01	.254604E-05	.842010E-01	-.248827E+01
	.1659E+01	.1106E+00	.747891E-01	.438667E-06	.756916E-01	-.259308E+01
	.1556E+01	.9728E-01	.642623E-01	.805085E-07	.648876E-01	-.274478E+01
	.1466E+01	.8621E-01	.527276E-01	.171933E-07	.531096E-01	-.294262E+01
	.1385E+01	.7692E-01	.416254E-01	.535443E-08	.418315E-01	-.317904E+01
	.1312E+01	.6906E-01	.320389E-01	.402148E-08	.321386E-01	-.344080E+01
	.1247E+01	.6234E-01	.244078E-01	.269002E-08	.244537E-01	-.371285E+01
	.1188E+01	.5656E-01	.185963E-01	.344596E-08	.186177E-01	-.398479E+01
	.1134E+01	.5155E-01	.142241E-01	.306965E-08	.142331E-01	-.425282E+01
	.1085E+01	.4717E-01	.109566E-01	.258930E-08	.109591E-01	-.451381E+01
	.5000E+01	.1000E+02	.100000E+01	.100000E+01	.745058E-08	-.112864E-08
	.6250E+01	.6250E+01	.100000E+01	.100000E+01	.745058E-08	-.700853E-08
	.5769E+01	.3846E+01	.100000E+01	.100000E+01	-.126660E-06	-.201277E-07
	.5000E+01	.2500E+01	.999999E+00	.100000E+01	-.745058E-06	-.794708E-06
	.4310E+01	.1724E+01	.999979E+00	.100002E+01	-.623539E-04	-.205336E-04
	.3750E+01	.1250E+01	.998254E+00	.100175E+01	-.348938E-02	-.174781E-02
	.3302E+01	.9434E+00	.816247E+00	.827066E+00	-.109050E-01	-.203038E+00
	.2941E+01	.7353E+00	.584222E+00	.613008E+00	-.287948E-01	-.537475E+00
	.2647E+01	.5882E+00	.229978E+00	.224820E+00	.438990E-02	-.146977E+01
	.2404E+01	.4808E+00	.124002E+00	.528216E-01	.720182E-01	-.208746E+01
	.2200E+01	.4000E+00	.100983E+00	.965840E-02	.925646E-01	-.229280E+01
	.2027E+01	.3378E+00	.934918E-01	.157427E-02	.932615E-01	-.236988E+01
	.1879E+01	.2890E+00	.881470E-01	.241883E-03	.891634E-01	-.242875E+01
	.1750E+01	.2500E+00	.814088E-01	.376663E-04	.824397E-01	-.250827E+01
	.1638E+01	.2183E+00	.725274E-01	.596280E-05	.733445E-01	-.262379E+01
	.1538E+01	.1923E+00	.617708E-01	.983277E-06	.623256E-01	-.278432E+01
	.1451E+01	.1706E+00	.503519E-01	.167515E-06	.506798E-01	-.298872E+01
	.1372E+01	.1524E+00	.396217E-01	.320022E-07	.397912E-01	-.322838E+01
	.1301E+01	.1370E+00	.304950E-01	.102924E-07	.305712E-01	-.349019E+01
	.1238E+01	.1238E+00	.232973E-01	.587114E-08	.233286E-01	-.375942E+01
	.1180E+01	.1124E+00	.178597E-01	.376041E-08	.178733E-01	-.402521E+01
	.1127E+01	.1025E+00	.137860E-01	.470522E-08	.137917E-01	-.428410E+01
	.1079E+01	.9381E-01	.107315E-01	.411011E-08	.107327E-01	-.453457E+01
	.2500E+01	.7500E+01	.100000E+01	.100000E+01	-.745058E-08	.649303E-08
12	.3846E+01	.5769E+01	.100000E+01	.100000E+01	.745058E-08	-.411200E-08
11	.4167E+01	.4167E+01	.100000E+01	.100000E+01	-.745058E-08	.221938E-08
10	.4000E+01	.3000E+01	.100000E+01	.100000E+01	-.745058E-08	.182366E-08
9	.3676E+01	.2206E+01	.100000E+01	.100000E+01	-.149757E-05	.475680E-06
8	.3333E+01	.1667E+01	.999983E+00	.100002E+01	-.145733E-04	-.170367E-04
7	.3017E+01	.1293E+01	.998627E+00	.100137E+01	-.288267E-02	-.137351E-02
6	.2740E+01	.1027E+01	.988795E+00	.101133E+01	-.223215E-01	-.112683E-01
5	.2500E+01	.8333E+00	.572271E+00	.590712E+00	-.185862E-01	-.558142E+00
4	.2294E+01	.6881E+00	.274668E+00	.285270E+00	-.106665E-01	-.129219E+01
3						

CYLINDER

$R/\lambda = 20$ $\quad T_e/T_i = 1$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -5$

Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.2115E+01	.5769E+00	.138690E+00	.776764E-01	.618239E-01	-.197551E+01
.1961E+01	.4902E+00	.103123E+00	.153071E-01	.889684E-01	-.227184E+01
.1826E+01	.4213E+00	.896565E-01	.253204E-02	.862458E-01	-.241177E+01
.1707E+01	.3659E+00	.796973E-01	.395399E-03	.802388E-01	-.252952E+01
.1603E+01	.3205E+00	.693588E-01	.604145E-04	.700012E-01	-.266846E+01
.1509E+01	.2830E+00	.581699E-01	.947592E-05	.586189E-01	-.284439E+01
.1426E+01	.2517E+00	.469828E-01	.152006E-05	.472389E-01	-.305797E+01
.1351E+01	.2252E+00	.368767E-01	.240305E-06	.370046E-01	-.330018E+01
.1284E+01	.2027E+00	.284683E-01	.419207E-07	.285251E-01	-.355896E+01
.1222E+01	.1834E+00	.218811E-01	.111852E-07	.219030E-01	-.382213E+01
.1167E+01	.1667E+00	.169182E-01	.785589E-08	.169266E-01	-.407937E+01
.1116E+01	.1521E+00	.132143E-01	.505554E-08	.132182E-01	-.432646E+01
.1069E+01	.1394E+00	.104305E-01	.623082E-08	.104319E-01	-.456302E+01
.1471E+01	.5882E+01	.100000E+01	.100000E+01	.745058E-08	-.648297E-08
.2500E+01	.5000E+01	.100000E+01	.100000E+01	-.745058E-08	.589414E-08
.3000E+01	.4000E+01	.100000E+01	.100000E+01	.670552E-07	-.162229E-07
.3125E+01	.3125E+01	.100000E+01	.100000E+01	.126660E-06	-.396528E-07
.3049E+01	.2439E+01	.100000E+01	.100000E+01	-.298023E-07	.238739E-07
.2885E+01	.1923E+01	.999998E+00	.100000E+01	.384450E-05	-.205293E-05
.2692E+01	.1538E+01	.999997E+00	.100000E+01	-.564754E-04	-.307886E-05
.2500E+01	.1250E+01	.999582E+00	.100042E+01	-.848122E-03	-.418533E-03
.2320E+01	.1031E+01	.976944E+00	.102360E+01	-.462449E-01	-.233255E-01
.2155E+01	.8621E+00	.464011E+00	.452050E+00	.120814E-01	-.767847E+00
.2007E+01	.7299E+00	.226572E+00	.223599E+00	.378294E-02	-.148469E+01
.1875E+01	.6250E+00	.132518E+00	.742437E-01	.594452E-01	-.202104E+01
.1757E+01	.5405E+00	.977091E-01	.166760E-01	.820506E-01	-.232576E+01
.1651E+01	.4717E+00	.794143E-01	.296798E-02	.771955E-01	-.253308E+01
.1556E+01	.4149E+00	.657935E-01	.474551E-03	.658463E-01	-.272123E+01
.1471E+01	.3676E+00	.538475E-01	.714205E-04	.541141E-01	-.292160E+01
.1393E+01	.3279E+00	.430614E-01	.105893E-04	.432378E-01	-.314513E+01
.1324E+01	.2941E+00	.337733E-01	.156608E-05	.338631E-01	-.338808E+01
.1260E+01	.2653E+00	.262189E-01	.231199E-06	.262597E-01	-.364128E+01
.1202E+01	.2404E+00	.203335E-01	.399414E-07	.203504E-01	-.389549E+01
.1149E+01	.2188E+00	.158792E-01	.121049E-07	.158858E-01	-.414274E+01
.1100E+01	.2000E+00	.125456E-01	.100890E-07	.125482E-01	-.437838E+01
.1055E+01	.1835E+00	.100431E-01	.657506E-08	.100439E-01	-.460086E+01
.9615E+00	.4808E+01	.100000E+01	.100000E+01	.745058E-08	-.472734E-08
.1724E+01	.4310E+01	.100000E+01	.100000E+01	.126660E-06	-.418674E-07
.2206E+01	.3676E+01	.100000E+01	.100000E+01	.365078E-06	-.136371E-06
.2439E+01	.3049E+01	.100000E+01	.100000E+01	.424683E-06	-.152375E-06
.2500E+01	.2500E+01	.999999E+00	.100000E+01	.235438E-05	-.108498E-05
.2459E+01	.2049E+01	.100001E+01	.999991E+00	-.180677E-04	.872123E-05
.2365E+01	.1689E+01	.999949E+00	.100005E+01	.111647E-03	-.514440E-04
.2247E+01	.1404E+01	.100009E+01	.999906E+00	-.363618E-03	.936795E-04
.2123E+01	.1179E+01	.998261E+00	.100174E+01	-.317659E-02	-.174101E-02
.2000E+01	.1000E+01	.944431E+00	.105884E+01	-.113761E+00	-.571730E-01
.1884E+01	.8562E+00	.286040E+00	.228653E+00	.582640E-01	-.125162E+01
.1775E+01	.7396E+00	.167199E+00	.137487E+00	.312223E-01	-.178857E+01
.1675E+01	.6443E+00	.114257E+00	.600567E-01	.554095E-01	-.216930E+01
.1584E+01	.5656E+00	.829644E-01	.155656E-01	.680105E-01	-.248934E+01
.1500E+01	.5000E+00	.629994E-01	.273484E-02	.605824E-01	-.276463E+01
.1423E+01	.4448E+00	.494162E-01	.416726E-03	.492012E-01	-.300748E+01
.1354E+01	.3981E+00	.389853E-01	.594513E-04	.390429E-01	-.324457E+01
.1289E+01	.3582E+00	.305866E-01	.820875E-05	.306372E-01	-.348719E+01
.1231E+01	.3238E+00	.239019E-01	.112819E-05	.239266E-01	-.373380E+01
.1176E+01	.2941E+00	.187092E-01	.163468E-06	.187185E-01	-.397874E+01
.1127E+01	.2682E+00	.147622E-01	.320756E-07	.147645E-01	-.421569E+01
.1081E+01	.2456E+00	.117973E-01	.129082E-07	.117977E-01	-.445988E+01
.1038E+01	.2256E+00	.957249E-02	.127212E-07	.957236E-02	-.464886E+01
.6757E+00	.4054E+01	.100000E+01	.100000E+01	.126660E-06	-.395704E-07

CYLINDER

$R/\lambda = 20$ $T_e/T_i = 1$ $V/C_i = 8$ $e\phi_s/KT_e = -5$

Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.1250E+01	.3750E+01	.100000E+01	.100000E+01	.506639E-06	-.192064E-06
.1667E+01	.3333E+01	.100000E+01	.100000E+01	.841916E-06	-.314161E-06
.1923E+01	.2885E+01	.999999E+00	.100000E+01	.292808E-05	-.131600E-05
.2049E+01	.2459E+01	.100001E+01	.999992E+00	-.166595E-04	.810742E-05
.2083E+01	.2083E+01	.999944E+00	.100006E+01	.125594E-03	-.562886E-04
.2059E+01	.1765E+01	.100015E+01	.999848E+00	-.366062E-03	.152142E-03
.2000E+01	.1500E+01	.999867E+00	.100013E+01	.255965E-03	-.132844E-03
.1923E+01	.1282E+01	.999186E+00	.100081E+01	-.212947E-02	-.814659E-03
.1838E+01	.1103E+01	.963527E+00	.103785E+01	-.718102E-01	-.371550E-01
.1752E+01	.9554E+00	.341720E+00	.221903E+00	.120596E+00	-.107376E+01
.1667E+01	.8333E+00	.181082E+00	.919426E-01	.907180E-01	-.170881E+01
.1585E+01	.7317E+00	.129162E+00	.839576E-01	.466737E-01	-.204669E+01
.1509E+01	.6466E+00	.913092E-01	.501386E-01	.418644E-01	-.239350E+01
.1437E+01	.5747E+00	.624878E-01	.117185E-01	.509041E-01	-.277278E+01
.1370E+01	.5137E+00	.457161E-01	.185827E-02	.439232E-01	-.308531E+01
.1308E+01	.4615E+00	.352346E-01	.265233E-03	.350210E-01	-.334573E+01
.1250E+01	.4167E+00	.276059E-01	.357685E-04	.275987E-01	-.358973E+01
.1196E+01	.3778E+00	.217286E-01	.464074E-05	.217362E-01	-.382913E+01
.1147E+01	.3440E+00	.171777E-01	.599259E-06	.171786E-01	-.406414E+01
.1101E+01	.3145E+00	.136905E-01	.866835E-07	.136902E-01	-.429105E+01
.1058E+01	.2885E+00	.110380E-01	.205467E-07	.110369E-01	-.450641E+01
.1018E+01	.2655E+00	.902166E-02	.144579E-07	.902079E-02	-.470813E+01
.5000E+00	.3500E+01	.100000E+01	.100000E+01	.484288E-06	-.189965E-06
.9434E+00	.3302E+01	.100000E+01	.100000E+01	.110269E-05	-.411556E-06
.1293E+01	.3017E+01	.999998E+00	.100000E+01	.394136E-05	-.174973E-05
.1538E+01	.2692E+01	.100001E+01	.999994E+00	-.134406E-04	.644791E-05
.1689E+01	.2365E+01	.999954E+00	.100005E+01	.102729E-03	-.458667E-04
.1765E+01	.2059E+01	.100014E+01	.999857E+00	-.343576E-03	.142990E-03
.1786E+01	.1786E+01	.999841E+00	.100016E+01	.425473E-03	-.159105E-03
.1770E+01	.1549E+01	.100006E+01	.999943E+00	-.190087E-03	.565926E-04
.1731E+01	.1346E+01	.999431E+00	.100057E+01	.505395E-03	-.568887E-03
.1678E+01	.1174E+01	.994139E+00	.100590E+01	-.128577E-01	-.587856E-02
.1618E+01	.1029E+01	.885992E+00	.112868E+01	-.242221E+00	-.121047E+00
.1554E+01	.9067E+00	.237221E+00	.974606E-01	.141158E+00	-.143876E+01
.1491E+01	.8028E+00	.144536E+00	.669874E-01	.791524E-01	-.193422E+01
.1429E+01	.7143E+00	.102017E+00	.849939E-01	.179515E-01	-.228262E+01
.1369E+01	.6387E+00	.652161E-01	.341665E-01	.311231E-01	-.273005E+01
.1311E+01	.5738E+00	.434809E-01	.612382E-02	.373169E-01	-.313543E+01
.1257E+01	.5178E+00	.322614E-01	.861829E-03	.314119E-01	-.343388E+01
.1206E+01	.4692E+00	.251398E-01	.113036E-03	.250469E-01	-.368330E+01
.1159E+01	.4268E+00	.198976E-01	.142619E-04	.198966E-01	-.391715E+01
.1114E+01	.3898E+00	.158638E-01	.177407E-05	.158685E-01	-.414372E+01
.1071E+01	.3571E+00	.127471E-01	.233214E-06	.127496E-01	-.436245E+01
.1032E+01	.3283E+00	.103362E-01	.430804E-07	.103375E-01	-.457210E+01
.9948E+00	.3028E+00	.841976E-02	.175740E-07	.842056E-02	-.477717E+01
.3846E+00	.3077E+01	.100000E+01	.100000E+01	-.122190E-05	.497184E-06
.7353E+00	.2941E+01	.100000E+01	.100000E+01	.745058E-08	-.733234E-07
.1027E+01	.2740E+01	.100001E+01	.999993E+00	-.152066E-04	.692198E-05
.1250E+01	.2500E+01	.999979E+00	.100002E+01	.492036E-04	-.209641E-04
.1404E+01	.2247E+01	.100008E+01	.999922E+00	-.191599E-03	.782683E-04
.1500E+01	.2000E+01	.999926E+00	.100007E+01	.231273E-03	-.737321E-04
.1549E+01	.1770E+01	.999842E+00	.100016E+01	.290595E-03	-.158086E-03
.1563E+01	.1563E+01	.100038E+01	.999623E+00	-.853396E-03	.377330E-03
.1552E+01	.1379E+01	.999464E+00	.100054E+01	.688151E-03	-.536369E-03
.1524E+01	.1220E+01	.996912E+00	.100310E+01	-.771000E-02	-.309285E-02
.1486E+01	.1081E+01	.933360E+00	.107140E+01	-.137744E+00	-.689647E-01
.1442E+01	.9615E+00	.318396E+00	.123400E+00	.196047E+00	-.114446E+01
.1395E+01	.8584E+00	.169275E+00	.729478E-01	.978584E-01	-.177623E+01
.1346E+01	.7692E+00	.110977E+00	.758090E-01	.362456E-01	-.219844E+01
.1298E+01	.6920E+00	.701416E-01	.703095E-01	-.209687E-04	-.265724E+01

$R/\lambda = 20$ $T_e/T_i = 1$ $V/C_i = 8$ $e\phi_s/KT_e = -5$

	Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
	.1250E+01	.6250E+00	.424509E-01	.161941E-01	.261294E-01	-.315941E+01
	.1204E+01	.5666E+00	.297236E-01	.243050E-02	.272613E-01	-.351582E+01
	.1160E+01	.5155E+00	.228516E-01	.321626E-03	.225354E-01	-.377874E+01
	.1118E+01	.4706E+00	.181321E-01	.401050E-04	.180997E-01	-.401007E+01
	.1078E+01	.4310E+00	.145653E-01	.480451E-05	.145654E-01	-.422912E+01
	.1040E+01	.3960E+00	.118035E-01	.582128E-06	.118052E-01	-.443936E+01
	.1004E+01	.3650E+00	.966402E-02	.843241E-07	.966476E-02	-.463934E+01
	.9696E+00	.3373E+00	.801151E-02	.228446E-07	.801179E-02	-.482688E+01
	.3049E+00	.2744E+01	.999999E+00	.100000E+01	.235438E-05	-.791230E-06
	.5882E+00	.2647E+01	.999998E+00	.100000E+01	.557303E-05	-.174765E-05
	.8333E+00	.2500E+01	.999982E+00	.100002E+01	.467002E-04	-.176141E-04
	.1031E+01	.2320E+01	.999978E+00	.100002E+01	.476912E-04	-.218960E-04
	.1179E+01	.2123E+01	.100000E+01	.999999E+00	.243485E-04	.930027E-06
	.1282E+01	.1923E+01	.999817E+00	.100018E+01	.393696E-03	-.182666E-03
	.1346E+01	.1731E+01	.100031E+01	.999694E+00	-.687860E-03	.306264E-03
	.1379E+01	.1552E+01	.999691E+00	.100031E+01	.894748E-03	-.309258E-03
	.1389E+01	.1389E+01	.999571E+00	.100043E+01	.332668E-04	-.428706E-03
	.1381E+01	.1243E+01	.999870E+00	.100013E+01	-.457426E-02	-.129642E-03
	.1361E+01	.1114E+01	.983196E+00	.101709E+01	-.353176E-01	-.169470E-01
	.1333E+01	.1000E+01	.816485E+00	.122476E+01	-.404037E+00	-.202746E+00
	.1300E+01	.9000E+00	.219555E+00	.665260E-01	.154469E+00	-.151615E+01
	.1264E+01	.8123E+00	.120347E+00	.476008E-01	.736801E-01	-.211737E+01
	.1225E+01	.7353E+00	.751802E-01	.104494E+00	-.290351E-01	-.258787E+01
	.1187E+01	.6677E+00	.420692E-01	.353402E-01	.673311E-02	-.316844E+01
	.1149E+01	.6081E+00	.274417E-01	.558173E-02	.217840E-01	-.359569E+01
	.1111E+01	.5556E+00	.207010E-01	.728170E-03	.199655E-01	-.387757E+01
	.1075E+01	.5090E+00	.164409E-01	.858877E-04	.163548E-01	-.410798E+01
	.1040E+01	.4678E+00	.132853E-01	.107159E-04	.132774E-01	-.432110E+01
	.1006E+01	.4310E+00	.108485E-01	.125516E-05	.108484E-01	-.452373E+01
	.9735E+00	.3982E+00	.896041E-02	.167556E-06	.896032E-02	-.471494E+01
	.9426E+00	.3689E+00	.754370E-02	.321468E-07	.754346E-02	-.488704E+01
	.2475E+00	.2475E+01	.999997E+00	.100000E+01	.593066E-05	-.292113E-05
	.4808E+00	.2404E+01	.100000E+01	.999998E+00	-.670552E-05	.216728E-05
	.6881E+00	.2294E+01	.999991E+00	.100001E+01	.194609E-04	-.934890E-05
	.8621E+00	.2155E+01	.100005E+01	.999950E+00	-.126369E-03	.497966E-04
	.1000E+01	.2000E+01	.999968E+00	.100003E+01	.682771E-04	-.316552E-04
	.1103E+01	.1838E+01	.100017E+01	.999830E+00	-.300720E-03	.170116E-03
	.1174E+01	.1678E+01	.999577E+00	.100042E+01	.948384E-03	-.422658E-03
	.1220E+01	.1524E+01	.999746E+00	.100025E+01	.100702E-03	-.254156E-03
	.1243E+01	.1381E+01	.100178E+01	.998223E+00	-.437424E-02	.177876E-02
	.1250E+01	.1250E+01	.998711E+00	.100129E+01	.424519E-03	-.128956E-02
	.1244E+01	.1131E+01	.986504E+00	.101368E+01	-.216694E-01	-.135874E-01
	.1230E+01	.1025E+01	.865606E+00	.115526E+01	-.287267E+00	-.144326E+00
	.1208E+01	.9294E+00	.241058E+00	.609611E-01	.181452E+00	-.142272E+01
	.1182E+01	.8446E+00	.126814E+00	.465855E-01	.814059E-01	-.206503E+01
	.1154E+01	.7692E+00	.778619E-01	.123001E+00	-.447431E-01	-.255282E+01
	.1124E+01	.7022E+00	.416134E-01	.619258E-01	-.205455E-01	-.317933E+01
	.1093E+01	.6427E+00	.252638E-01	.107934E-01	.14356CE-01	-.367838E+01
	.1061E+01	.5896E+00	.186357E-01	.142914E-02	.171855E-01	-.398267E+01
	.1030E+01	.5423E+00	.148165E-01	.172748E-03	.146432E-01	-.421201E+01
	.1000E+01	.5000E+00	.120493E-01	.201834E-04	.120301E-01	-.441875E+01
12	.9704E+00	.4621E+00	.990856E-02	.230018E-05	.990681E-02	-.461436E+01
11	.9418E+00	.4281E+00	.820479E-02	.285751E-06	.820481E-02	-.480304E+01
10	.9141E+00	.3975E+00	.673795E-02	.100000E+01	.000000E+00	-.500000E+01
9	.2049E+00	.2254E+01	.100000E+01	.999996E+00	-.247061E-04	.412303E-05
8	.4000E+00	.2200E+01	.100003E+01	.999970E+00	-.386909E-04	.302195E-04
7	.5769E+00	.2115E+01	.999949E+00	.100005E+01	.767782E-04	-.507927E-04
6	.7299E+00	.2007E+01	.100006E+01	.999940E+00	-.400245E-04	.600931E-04
5	.8562E+00	.1884E+01	.999961E+00	.100004E+01	.254214E-04	-.388391E-04
4	.9554E+00	.1752E+01	.999497E+00	.100050E+01	.119832E-02	-.502645E-03
3						

CYLINDER

$R/\lambda = 20$ $\quad T_e/T_i = 1$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -5$

	Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
	.1029E+01	.1618E+01	.100092E+01	.999081E+00	-.232943E-02	.919037E-03
	.1081E+01	.1486E+01	.999925E+00	.100007E+01	.469647E-03	-.747065E-04
	.1114E+01	.1361E+01	.999427E+00	.100057E+01	.156356E-02	-.572995E-03
	.1131E+01	.1244E+01	.998663E+00	.100134E+01	-.215802E-02	-.133827E-02
	.1136E+01	.1136E+01	.984764E+00	.101547E+01	-.293030E-01	-.153531E-01
	.1132E+01	.1038E+01	.856892E+00	.116701E+01	-.308415E+00	-.154444E+00
	.1121E+01	.9483E+00	.249061E+00	.474176E-01	.202967E+00	-.139006E+01
	.1104E+01	.8675E+00	.128810E+00	.403207E-01	.896770E-01	-.204942E+01
	.1084E+01	.7948E+00	.771701E-01	.118892E+00	-.412779E-01	-.256174E+01
	.1061E+01	.7294E+00	.404149E-01	.921206E-01	-.519505E-01	-.320856E+01
	.1037E+01	.6707E+00	.231132E-01	.171135E-01	.586285E-02	-.376735E+01
	.1011E+01	.6180E+00	.167064E-01	.229101E-02	.143861E-01	-.409197E+01
	.9855E+00	.5705E+00	.133052E-01	.275173E-03	.130270E-01	-.431960E+01
	.9597E+00	.5278E+00	.108975E-01	.316288E-04	.108661E-01	-.451922E+01
	.9342E+00	.4893E+00	.904061E-02	.355837E-05	.903707E-02	-.470603E+01
	.9091E+00	.4545E+00	.760753E-02	.411609E-06	.760708E-02	-.487862E+01
	.8846E+00	.4231E+00	.673795E-02	.100000E+01	.000000E+00	-.500000E+01
	.1724E+00	.2069E+01	.100015E+01	.999849E+00	-.195749E-03	.151031E-03
	.3378E+00	.2027E+01	.999701E+00	.100030E+01	.500709E-03	-.298992E-03
	.4902E+00	.1961E+01	.100044E+01	.999562E+00	-.750981E-03	.438588E-03
	.6250E+00	.1875E+01	.999146E+00	.100085E+01	.147763E-02	-.854085E-03
	.7396E+00	.1775E+01	.100110E+01	.998503E+00	-.213012E-02	.109750E-02
	.8333E+00	.1667E+01	.999370E+00	.100063E+01	.143757E-02	-.630446E-03
	.9067E+00	.1554E+01	.999567E+00	.100043E+01	.107958E-02	-.432602E-03
	.9615E+00	.1442E+01	.100027E+01	.999728E+00	-.553802E-03	.271714E-03
	.1000E+01	.1333E+01	.999815E+00	.100019E+01	-.303112E-03	-.185384E-03
	.1025E+01	.1230E+01	.996727E+00	.100328E+01	-.179852E-02	-.327811E-02
	.1038E+01	.1132E+01	.980985E+00	.101938E+01	-.401137E-01	-.191981E-01
	.1042E+01	.1042E+01	.841810E+00	.118792E+01	-.348064E+00	-.172201E+00
	.1038E+01	.9585E+00	.253592E+00	.475903E-01	.207227E+00	-.137203E+01
	.1029E+01	.8824E+00	.128087E+00	.397322E-01	.894657E-01	-.205504E+01
	.1016E+01	.8130E+00	.744400E-01	.125295E+00	-.504535E-01	-.259776E+01
	.1000E+01	.7500E+00	.381123E-01	.122476E+00	-.846227E-01	-.326722E+01
	.9815E+00	.6928E+00	.208613E-01	.233638E-01	-.264931E-02	-.386986E+01
	.9615E+00	.6410E+00	.148923E-01	.311030E-02	.117492E-01	-.420691E+01
	.9406E+00	.5941E+00	.119033E-01	.371437E-03	.115275E-01	-.443094E+01
	.9191E+00	.5515E+00	.982028E-02	.422977E-04	.977773E-02	-.462331E+01
	.8974E+00	.5128E+00	.818949E-02	.473146E-05	.818482E-02	-.480490E+01
	.8758E+00	.4777E+00	.673795E-02	.100000E+01	.000000E+00	-.500000E+01
	.8544E+00	.4458E+00	.673795E-02	.100000E+01	.000000E+00	-.500000E+01
	.1471E+00	.1912E+01	.998933E+00	.100107E+01	.173607E-02	-.106756E-02
	.2890E+00	.1879E+01	.100121E+01	.998795E+00	-.255401E-02	.120545E-02
	.4213E+00	.1826E+01	.998561E+00	.100144E+01	.311604E-02	-.143965E-02
	.5405E+00	.1757E+01	.100256E+01	.997446E+00	-.574465E-02	.255692E-02
	.6443E+00	.1675E+01	.997598E+00	.100241E+01	.621358E-02	-.240439E-02
	.7317E+00	.1585E+01	.100159E+01	.998413E+00	-.346591E-02	.158802E-02
	.8028E+00	.1491E+01	.999920E+00	.100008E+01	-.383928E-04	-.803419E-04
	.8584E+00	.1395E+01	.998469E+00	.100153E+01	.218535E-02	-.153214E-02
	.9000E+00	.1300E+01	.999755E+00	.100025E+01	-.232656E-02	-.245527E-03
	.9294E+00	.1208E+01	.999360E+00	.100064E+01	-.119110E-01	-.640152E-03
	.9483E+00	.1121E+01	.976034E+00	.102455E+01	-.518700E-01	-.242580E-01
12	.9585E+00	.1038E+01	.821229E+00	.121769E+01	-.393460E+00	-.196954E+00
11	.9615E+00	.9615E+00	.252829E+00	.385565E-01	.215388E+00	-.137504E+01
10	.9589E+00	.8904E+00	.124115E+00	.332587E-01	.917793E-01	-.208655E+01
9	.9518E+00	.8249E+00	.698814E-01	.142319E+00	-.721632E-01	-.266096E+01
8	.9412E+00	.7647E+00	.345504E-01	.144431E+00	-.110161E+00	-.336534E+01
7	.9279E+00	.7096E+00	.184735E-01	.271544E-01	-.882431E-02	-.399142E+01
6	.9128E+00	.6592E+00	.131835E-01	.357263E-02	.957926E-02	-.432879E+01
5	.8962E+00	.6132E+00	.106082E-01	.422028E-03	.101817E-01	-.454613E+01
4	.8787E+00	.5712E+00	.883845E-02	.475083E-04	.879048E-02	-.472864E+01
3						

CYLINDER

$R/\lambda = 20$ $\quad T_e/T_i = 1$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -5$

Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.8607E+00	.5328E+00	.756179E-02	.496117E-05	.755683E-02	-.488465E+01
.8423E+00	.4977E+00	.673795E-02	.100000E+01	.000000E+00	-.500000E+01
.8238E+00	.4656E+00	.673795E-02	.100000E+01	.000000E+00	-.500000E+01
.1269E+00	.1777E+01	.100310E+01	.996906E+00	-.657920E-02	.309848E-02
.2500E+00	.1750E+01	.999192E+00	.100081E+01	.384671E-02	-.807845E-03
.3659E+00	.1707E+01	.100003E+01	.999967E+00	-.179066E-02	.333730E-04
.4717E+00	.1651E+01	.999122E+00	.100088E+01	.373061E-02	-.878501E-03
.5656E+00	.1584E+01	.100171E+01	.998289E+00	-.228699E-02	.171269E-02
.6466E+00	.1509E+01	.994131E+00	.100590E+01	.967031E-02	-.588611E-02
.7143E+00	.1429E+01	.100079E+01	.999212E+00	-.604025E-02	.788751E-03
.7692E+00	.1346E+01	.100365E+01	.996364E+00	-.771425E-02	.364297E-02
.8123E+00	.1264E+01	.100071E+01	.999292E+00	-.335947E-03	.708070E-03
.8446E+00	.1182E+01	.995616E+00	.100440E+01	-.660186E-02	-.439382E-02
.8675E+00	.1104E+01	.966277E+00	.103490E+01	-.667072E-01	-.343044E-01
.8824E+00	.1029E+01	.794934E+00	.125797E+01	-.456661E+00	-.229496E+00
.8904E+00	.9589E+00	.246854E+00	.334322E-01	.214323E+00	-.139896E+01
.8929E+00	.8929E+00	.117454E+00	.388881E-01	.791855E-01	-.214171E+01
.8907E+00	.8314E+00	.641373E-01	.199763E+00	-.135550E+00	-.274673E+01
.8850E+00	.7743E+00	.299718E-01	.154558E+00	-.124893E+00	-.350750E+01
.8763E+00	.7216E+00	.160195E-01	.269326E-01	-.110420E-01	-.413395E+01
.8654E+00	.6731E+00	.115859E-01	.347554E-02	.808306E-02	-.445796E+01
.8528E+00	.6284E+00	.939038E-02	.410226E-03	.897633E-02	-.466807E+01
.8389E+00	.5872E+00	.781893E-02	.472776E-04	.777123E-02	-.485121E+01
.8242E+00	.5495E+00	.673795E-02	.100000E+01	.000000E+00	-.500000E+01
.8088E+00	.5147E+00	.673795E-02	.100000E+01	.000000E+00	-.500000E+01
.7931E+00	.4828E+00	.673795E-02	.100000E+01	.000000E+00	-.500000E+01
.1106E+00	.1659E+01	.998730E+00	.100127E+01	.704666E-02	-.127042E-02
.2183E+00	.1638E+01	.995448E+00	.100457E+01	.658140E-02	-.456235E-02
.3205E+00	.1603E+01	.100551E+01	.994519E+00	-.112983E-01	.549563E-02
.4149E+00	.1556E+01	.998935E+00	.100107E+01	.742064E-02	-.106552E-02
.5000E+00	.1500E+01	.990834E+00	.100925E+01	.951760E-02	-.920832E-02
.5747E+00	.1437E+01	.101036E+01	.989746E+00	-.303614E-01	.103073E-01
.6387E+00	.1369E+01	.100631E+01	.993725E+00	-.264706E-02	.629473E-02
.6920E+00	.1298E+01	.100011E+01	.999892E+00	.887988E-02	.108099E-03
.7353E+00	.1225E+01	.995826E+00	.100419E+01	.651053E-02	-.418306E-02
.7692E+00	.1154E+01	.986400E+00	.101379E+01	-.931048E-02	-.136935E-01
.7948E+00	.1084E+01	.944976E+00	.105823E+01	-.981918E-01	-.565962E-01
.8130E+00	.1016E+01	.752677E+00	.132859E+01	-.569698E+00	-.284119E+00
.8249E+00	.9518E+00	.231153E+00	.273819E-01	.204286E+00	-.146468E+01
.8314E+00	.8907E+00	.106415E+00	.375119E-01	.691101E-01	-.224041E+01
.8333E+00	.8333E+00	.568673E-01	.325963E+00	-.269266E+00	-.286703E+01
.8316E+00	.7796E+00	.247632E-01	.145802E+00	-.121356E+00	-.369840E+01
.8268E+00	.7296E+00	.136422E-01	.225950E-01	-.905889E-02	-.429459E+01
.8197E+00	.6831E+00	.101506E-01	.283157E-02	.729766E-02	-.459022E+01
.8106E+00	.6399E+00	.830737E-02	.332326E-03	.797206E-02	-.479061E+01
.8000E+00	.6000E+00	.673795E-02	.100000E+01	.000000E+00	-.500000E+01
.7883E+00	.5631E+00	.673795E-02	.100000E+01	.000000E+00	-.500000E+01
.7757E+00	.5289E+00	.673795E-02	.100000E+01	.000000E+00	-.500000E+01
.7626E+00	.4973E+00	.673795E-02	.100000E+01	.000000E+00	-.500000E+01
.9728E-01	.1556E+01	.993572E+00	.100647E+01	.109525E-01	-.644843E-02
.1923E+00	.1538E+01	.100465E+01	.995367E+00	-.135667E-01	.464409E-02
.2830E+00	.1509E+01	.995914E+00	.100410E+01	.158842E-01	-.409410E-02
.3676E+00	.1471E+01	.988693E+00	.101144E+01	.790451E-02	-.113711E-01
.4448E+00	.1423E+01	.101746E+01	.982838E+00	-.429559E-01	.173110E-01
.5137E+00	.1370E+01	.100715E+01	.992903E+00	.970810E-02	.712251E-02
.5738E+00	.1311E+01	.991887E+00	.100818E+01	.309452E-01	-.814564E-02
.6250E+00	.1250E+01	.989050E+00	.101107E+01	.142263E-01	-.110104E-01
.6677E+00	.1187E+01	.989647E+00	.101046E+01	-.870674E-02	-.104069E-01
.7022E+00	.1124E+01	.978375E+00	.102210E+01	-.537250E-01	-.218580E-01
.7294E+00	.1061E+01	.907556E+00	.110186E+01	-.213218E+00	-.969997E-01

CYLINDER

$R/\lambda = 20$ $T_e/T_i = 1$ $V/C_i = 8$ $e\phi_s/KT_e = -5$

	Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
	.7500E+00	.1000E+01	.651122E+00	.153581E+01	-.897606E+00	-.429058E+00
	.7647E+00	.9412E+00	.199568E+00	.300766E-01	.169157E+00	-.161160E+01
	.7743E+00	.8850E+00	.911154E-01	.614053E-01	.294300E-01	-.239563E+01
	.7796E+00	.8316E+00	.467786E-01	.463696E+00	-.417323E+00	-.306233E+01
	.7813E+00	.7813E+00	.194543E-01	.113846E+00	-.946776E-01	-.393969E+01
	.7798E+00	.7339E+00	.114906E-01	.157520E-01	-.433914E-02	-.446623E+01
	.7759E+00	.6897E+00	.893685E-02	.188637E-02	.703584E-02	-.471757E+01
	.7699E+00	.6483E+00	.758751E-02	.204225E-03	.738132E-02	-.488125E+01
	.7622E+00	.6098E+00	.673795E-02	.100000E+01	.000000E+00	-.500000E+01
	.7532E+00	.5739E+00	.673795E-02	.100000E+01	.000000E+00	-.500000E+01
	.7432E+00	.5405E+00	.673795E-02	.100000E+01	.000000E+00	-.500000E+01
	.7325E+00	.5096E+00	.673795E-02	.100000E+01	.000000E+00	-.500000E+01
	.8621E-01	.1466E+01	.100145E+01	.998555E+00	-.103891E-01	.144577E-02
	.1706E+00	.1451E+01	.100116E+01	.998837E+00	-.377006E-02	.116416E-02
	.2517E+00	.1426E+01	.993853E+00	.100618E+01	-.268236E-03	-.616550E-02
	.3279E+00	.1393E+01	.102056E+01	.979852E+00	-.448630E-01	.203540E-01
	.3981E+00	.1354E+01	.999124E+00	.100088E+01	.329864E-01	-.876409E-03
	.4615E+00	.1308E+01	.986508E+00	.101368E+01	.344461E-01	-.135837E-01
	.5178E+00	.1257E+01	.988951E+00	.101117E+01	.301126E-02	-.111105E-01
	.5666E+00	.1204E+01	.997173E+00	.100284E+01	-.277274E-01	-.283149E-02
	.6081E+00	.1149E+01	.991647E+00	.100842E+01	-.455749E-01	-.838813E-02
	.6427E+00	.1093E+01	.950120E+00	.105250E+01	-.121729E+00	-.511669E-01
	.6707E+00	.1037E+01	.782846E+00	.127739E+01	-.500826E+00	-.244819E+00
	.6928E+00	.9815E+00	.326543E+00	.606599E-02	.319038E+00	-.111920E+01
	.7096E+00	.9279E+00	.148047E+00	.233806E-01	.123755E+00	-.191022E+01
	.7216E+00	.8763E+00	.745916E-01	.137612E+00	-.637607E-01	-.259573E+01
	.7296E+00	.8268E+00	.343976E-01	.457088E+00	-.423232E+00	-.336977E+01
	.7339E+00	.7798E+00	.147334E-01	.716087E-01	-.570918E-01	-.421764E+01
	.7353E+00	.7353E+00	.961960E-02	.917123E-02	.399110E-03	-.464395E+01
	.7341E+00	.6933E+00	.780399E-02	.108271E-02	.671333E-02	-.485312E+01
	.7308E+00	.6538E+00	.673795E-02	.100000E+01	.000000E+00	-.500000E+01
	.7257E+00	.6168E+00	.673795E-02	.100000E+01	.000000E+00	-.500000E+01
	.7192E+00	.5822E+00	.673795E-02	.100000E+01	.000000E+00	-.500000E+01
	.7115E+00	.5498E+00	.673795E-02	.100000E+01	.000000E+00	-.500000E+01
	.7029E+00	.5196E+00	.673795E-02	.100000E+01	.000000E+00	-.500000E+01
	.7692E-01	.1385E+01	.100103E+01	.998575E+00	-.127216E-01	.102561E-02
	.1524E+00	.1372E+01	.100716E+01	.992892E+00	-.156651E-01	.713365E-02
	.2252E+00	.1351E+01	.100908E+01	.991001E+00	-.164025E-01	.903974E-02
	.2941E+00	.1324E+01	.998792E+00	.100121E+01	.272404E-01	-.120827E-02
	.3582E+00	.1289E+01	.992223E+00	.100784E+01	.143700E-01	-.780783E-02
	.4167E+00	.1250E+01	.994679E+00	.100535E+01	-.136362E-01	-.533490E-02
	.4692E+00	.1206E+01	.994751E+00	.100528E+01	-.210139E-01	-.526250E-02
	.5155E+00	.1160E+01	.992692E+00	.100736E+01	-.341339E-01	-.733517E-02
	.5556E+00	.1111E+01	.970011E+00	.103092E+01	-.781967E-01	-.304475E-01
	.5896E+00	.1061E+01	.882696E+00	.113289E+01	-.254836E+00	-.124775E+00
	.6180E+00	.1011E+01	.635758E+00	.157292E+01	-.936316E+00	-.452937E+00
	.6410E+00	.9615E+00	.234098E+00	.239176E-01	.208755E+00	-.145202E+01
	.6592E+00	.9128E+00	.118994E+00	.474254E-01	.701956E-01	-.212868E+01
	.6731E+00	.8654E+00	.686393E-01	.102924E+01	-.961814E+00	-.267889E+01
	.6831E+00	.8197E+00	.235620E-01	.309935E+00	-.286896E+00	-.374812E+01
	.6897E+00	.7759E+00	.111436E-01	.360706E-01	-.250656E-01	-.449689E+01
12	.6933E+00	.7341E+00	.806293E-02	.440281E-02	.363488E-02	-.482048E+01
11	.6944E+00	.6944E+00	.673795E-02	.100000E+01	.000000E+00	-.500000E+01
10	.6934E+00	.6569E+00	.673795E-02	.100000E+01	.000000E+00	-.500000E+01
9	.6906E+00	.6215E+00	.673795E-02	.100000E+01	.000000E+00	-.500000E+01
8	.6863E+00	.5882E+00	.673795E-02	.100000E+01	.000000E+00	-.500000E+01
7	.6807E+00	.5569E+00	.673795E-02	.100000E+01	.000000E+00	-.500000E+01
6	.6741E+00	.5275E+00	.673795E-02	.100000E+01	.000000E+00	-.500000E+01
5	.6906E-01	.1312E+01	.100907E+01	.991015E+00	-.236382E-01	.902579E-02
4	.1370E+00	.1301E+01	.993111E+00	.100694E+01	.203617E-01	-.691244E-02
3						

CYLINDER

$R/\lambda = 20$ $\quad T_e/T_i = 1$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -5$

Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.2027E+00	.1284E+01	.100568E+01	.994350E+00	-.5738CCE-C2	.566597E-02
.2653E+00	.126CE+01	.993983E+0C	.100605E+01	.164525E-C1	-.603472E-02
.3238E+00	.1231E+01	.987764E+0C	.101239E+01	-.746153E-C3	-.123111E-01
.3778E+00	.1196E+01	.992588E+0C	.100747E+01	-.304081E-C1	-.743932E-02
.4268E+00	.1159E+01	.991468E+0C	.100861E+01	-.483053E-C1	-.856901E-02
.4706E+00	.1118E+01	.971293E+0C	.102956E+01	-.763871E-C1	-.291268E-01
.5090E+00	.1075E+01	.907296E+00	.110218E+01	-.1981C6E+00	-.972865E-01
.5423E+00	.1030E+01	.724797E+0C	.137970E+01	-.650602E+00	-.321863E+00
.5705E+00	.9855E+00	.312541E+00	.3C9949E-02	.308508E+CC	-.116302E+01
.5941E+00	.9406E+00	.158627E+0C	.212144E-01	.135916E+00	-.184120E+01
.6132E+00	.8962E+00	.972706E-01	.211885E+00	-.116228E+CC	-.233026E+01
.6284E+00	.8528E+00	.507109E-01	.175502E+01	-.170547E+01	-.298161E+01
.6399E+00	.81C6E+00	.143685E-01	.132559E+00	-.118484E+CC	-.424269E+01
.6483E+00	.7699E+00	.854947E-02	.141031E-01	-.5618C8E-C2	-.476189E+01
.6538E+00	.7308E+00	.673795E-02	.1CCCCCE+01	.000000E+CC	-.500000E+01
.6569E+00	.6934E+00	.673795E-02	.1CCCCCE+01	.000000E+CC	-.500000E+01
.6579E+00	.6579E+00	.673795E-02	.1CCCCCE+01	.000000E+CC	-.500000E+01
.6570E+00	.6242E+00	.673795E-02	.1CCCCCE+01	.000000E+00	-.500000E+01
.6546E+00	.5923E+00	.673795E-02	.1CCCCCE+01	.000000E+CC	-.500000E+01
.6509E+00	.5621E+00	.673795E-02	.1CCCCCE+01	.000000E+00	-.500000E+01
.6461E+00	.5337E+00	.673795E-02	.1CCCCCE+01	.000000E+00	-.500000E+01
.6234E-01	.1247E+01	.990296E+00	.1CC980E+01	-.123989E-C1	-.975110E-02
.1238E+00	.1238E+01	.995893E+00	.1CC412E+01	-.159696E-01	-.411551E-02
.1834E+00	.1222E+01	.991152E+00	.1CC893E+01	.795340E-02	-.888775E-02
.24C4E+00	.1202E+01	.982557E+0C	.1C1775E+01	-.360782E-C2	-.175972E-01
.2941E+00	.1176E+01	.981626E+00	.101872E+01	-.449708E-01	-.185453E-01
.3440E+00	.1147E+01	.976141E+00	.102444E+01	-.726396E-C1	-.241481E-01
.3898E+00	.1114E+01	.952678E+0C	.104967E+01	-.114413E+CC	-.484782E-01
.4310E+00	.1078E+01	.896388E+0C	.111559E+01	-.219640E+CC	-.109382E+00
.4678E+00	.1040E+01	.766968E+0C	.13C384E+01	-.533782E+CC	-.265311E+00
.50C0E+00	.1CC0E+01	.51452CE+00	.194356E+01	-.142750E+01	-.664521E+00
.5278E+00	.9597E+00	.184628E+0C	.237726E-01	.160075E+CC	-.168941E+01
.5515E+00	.9191E+00	.106233E+0C	.107218E+00	-.210421E-C2	-.224212E+01
.5712E+00	.8787E+00	.929874E-01	.317379E+01	-.308237E+C1	-.237529E+01
.5872E+00	.8389E+00	.215350E-01	.527131E+00	-.516051E+CC	-.383808E+01
.6000E+00	.8000E+00	.673795E-02	.1CCCCCE+01	.000000E+00	-.500000E+01
.6098E+00	.7622E+00	.673795E-02	.1CCCCCE+01	.000000E+CC	-.500000E+01
.6168E+00	.7257E+00	.673795E-02	.1CCCCCE+01	.000000E+CC	-.500000E+01
.6215E+00	.6906E+00	.673795E-02	.1CCCCCE+01	.000000E+CC	-.500000E+01
.6242E+00	.6570E+00	.673795E-02	.1CCCCCE+01	.000000E+CC	-.500000E+01
.6250E+00	.6250E+00	.673795E-02	.1CCCCCE+01	.000000E+CC	-.500000E+01
.6243E+00	.5945E+00	.673795E-02	.1CCCCCE+01	.000000E+CC	-.500000E+01
.6222E+00	.5656E+00	.673795E-02	.1CCCCCE+01	.000000E+CC	-.500000E+01
.6189E+00	.5382E+00	.673795E-02	.1CCCCCE+01	.000000E+CC	-.500000E+01
.5656E-01	.1188E+01	.949987E+0C	.105265E+01	-.643948E-C1	-.513071E-01
.1124E+00	.1180E+01	.970259E+0C	.103065E+01	-.570665E-C1	-.301921E-01
.1667E+00	.1167E+01	.966078E+0C	.103511E+01	-.438102E-C1	-.345105E-01
.2188E+00	.1149E+01	.951216E+00	.105129E+01	-.709512E-C1	-.500145E-01
.2682E+00	.1127E+01	.937955E+CC	.106615E+01	-.142416E+CC	-.640537E-01
.3145E+00	.1101E+01	.901653E+0C	.110907E+01	-.226081E+CC	-.103525E+00
.3571E+00	.1071E+01	.820167E+0C	.121926E+01	-.396426E+00	-.198248E+00
.3960E+00	.1040E+01	.698635E+0C	.143136E+01	-.717036E+00	-.358626E+00
.4310E+00	.1006E+01	.463141E+0C	.215917E+01	-.168802E+01	-.769723E+00
.4621E+00	.9704E+00	.164526E+00	.983941E-03	.163572E+CC	-.180469E+01
.4893E+00	.9342E+00	.802605E-01	.617916E-01	.182426E-C1	-.252247E+01
.5128E+00	.8974E+00	.492514E-01	.165101E+01	-.160213E+C1	-.301082E+01
.5328E+00	.8607E+00	.337413E-01	.290153E+01	-.286814E+C1	-.338903E+01
.5495E+00	.8242E+00	.673795E-02	.1CCCCCE+01	.000000E+00	-.500000E+01
.5631E+00	.7883E+00	.673795E-02	.1CCCCCE+01	.000000E+CC	-.500000E+01
.5739E+00	.7532E+00	.673795E-02	.1CCCCCE+01	.000000E+00	-.500000E+01

CYLINDER

$R/\lambda = 20$ $\quad T_e/T_i = 1$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -5$

Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.5822E+00	.7192E+00	.673795E-02	.100000E+01	.000000E+00	-.500000E+01
.5882E+00	.6863E+00	.673795E-02	.100000E+01	.000000E+00	-.500000E+01
.5923E+00	.6546E+00	.673795E-02	.100000E+01	.000000E+00	-.500000E+01
.5945E+00	.6243E+00	.673795E-02	.100000E+01	.000000E+00	-.500000E+01
.5952E+00	.5952E+00	.673795E-02	.100000E+01	.000000E+00	-.500000E+01
.5946E+00	.5676E+00	.673795E-02	.100000E+01	.000000E+00	-.500000E+01
.5928E+00	.5412E+00	.673795E-02	.100000E+01	.000000E+00	-.500000E+01
.5155E-01	.1134E+01	.854567E+00	.117018E+01	-.300106E+00	-.157160E+00
.1025E+00	.1127E+01	.887902E+00	.112625E+01	-.230234E+00	-.118894E+00
.1521E+00	.1116E+01	.880906E+00	.113520E+01	-.225406E+00	-.126805E+00
.2000E+00	.1100E+01	.853920E+00	.117107E+01	-.311714E+00	-.157918E+00
.2456E+00	.1081E+01	.790729E+00	.126466E+01	-.489404E+00	-.234800E+00
.2885E+00	.1058E+01	.683544E+00	.146296E+01	-.783721E+00	-.380465E+00
.3283E+00	.1032E+01	.494290E+00	.202310E+01	-.152148E+01	-.704632E+00
.3650E+00	.1004E+01	.345840E+00	.289151E+01	-.253515E+01	-.106178E+01
.3982E+00	.9735E+00	.110955E+00	.492241E-03	.110551E+00	-.219863E+01
.4281E+00	.9418E+00	.441290E-01	.134374E+00	-.902038E-01	-.312064E+01
.4545E+00	.9091E+00	.286343E-01	.210927E+01	-.208062E+01	-.355315E+01
.4777E+00	.8758E+00	.673795E-02	.100000E+01	.000000E+00	-.500000E+01
.4977E+00	.8423E+00	.673795E-02	.100000E+01	.000000E+00	-.500000E+01
.5147E+00	.8088E+00	.673795E-02	.100000E+01	.000000E+00	-.500000E+01
.5289E+00	.7757E+00	.673795E-02	.100000E+01	.000000E+00	-.500000E+01
.5405E+00	.7432E+00	.673795E-02	.100000E+01	.000000E+00	-.500000E+01
.5498E+00	.7115E+00	.673795E-02	.100000E+01	.000000E+00	-.500000E+01
.5569E+00	.6807E+00	.673795E-02	.100000E+01	.000000E+00	-.500000E+01
.5621E+00	.6509E+00	.673795E-02	.100000E+01	.000000E+00	-.500000E+01
.5656E+00	.6222E+00	.673795E-02	.100000E+01	.000000E+00	-.500000E+01
.5676E+00	.5946E+00	.673795E-02	.100000E+01	.000000E+00	-.500000E+01
.5682E+00	.5682E+00	.673795E-02	.100000E+01	.000000E+00	-.500000E+01
.5676E+00	.5429E+00	.673795E-02	.100000E+01	.000000E+00	-.500000E+01
.4717E-01	.1085E+01	.615557E+00	.162454E+01	-.101790E+01	-.485227E+00
.9381E-01	.1079E+01	.661726E+00	.151120E+01	-.854078E+00	-.412904E+00
.1394E+00	.1069E+01	.650463E+00	.153737E+01	-.868041E+00	-.430070E+00
.1835E+00	.1055E+01	.597446E+00	.167379E+01	-.109318E+01	-.515092E+00
.2256E+00	.1038E+01	.446998E+00	.223715E+01	-.180866E+01	-.805201E+00
.2655E+00	.1018E+01	.299458E+00	.333937E+01	-.304713E+01	-.120578E+01
.3028E+00	.9948E+00	.806609E-01	.524919E-04	.805209E-01	-.251750E+01
.3373E+00	.9696E+00	.453009E-01	.792377E-03	.444543E-01	-.309443E+01
.3689E+00	.9426E+00	.233425E-01	.436284E+00	-.412965E+00	-.375748E+01
.3975E+00	.9141E+00	.673795E-02	.100000E+01	.000000E+00	-.500000E+01
.4231E+00	.8846E+00	.673795E-02	.100000E+01	.000000E+00	-.500000E+01
.4458E+00	.8544E+00	.673795E-02	.100000E+01	.000000E+00	-.500000E+01
.4656E+00	.8238E+00	.673795E-02	.100000E+01	.000000E+00	-.500000E+01
.4828E+00	.7931E+00	.673795E-02	.100000E+01	.000000E+00	-.500000E+01
.4973E+00	.7626E+00	.673795E-02	.100000E+01	.000000E+00	-.500000E+01
.5096E+00	.7325E+00	.673795E-02	.100000E+01	.000000E+00	-.500000E+01
.5196E+00	.7029E+00	.673795E-02	.100000E+01	.000000E+00	-.500000E+01
.5275E+00	.6741E+00	.673795E-02	.100000E+01	.000000E+00	-.500000E+01
.5337E+00	.6461E+00	.673795E-02	.100000E+01	.000000E+00	-.500000E+01
.5382E+00	.6189E+00	.673795E-02	.100000E+01	.000000E+00	-.500000E+01
.5412E+00	.5928E+00	.673795E-02	.100000E+01	.000000E+00	-.500000E+01
.5429E+00	.5676E+00	.673795E-02	.100000E+01	.000000E+00	-.500000E+01
.5435E+00	.5435E+00	.673795E-02	.100000E+01	.000000E+00	-.500000E+01

CYLINDER

$R/\lambda = 5$ $\quad T_e/T_i = 1$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -1$

	Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
	.2500E+02	.0000E+00	.997066E+00	.997664E+00	-.328571E-05	-.297786E-01
	.1250E+02	.0000E+00	.843281E+00	.843220E+00	.604615E-04	-.170455E+00
	.8333E+01	.0000E+00	.553467E+00	.548529E+00	.476453E-02	-.591553E+00
	.6250E+01	.0000E+00	.304879E+00	.272018E+00	.309846E-01	-.118784E+01
	.5000E+01	.0000E+00	.223772E+00	.116697E+00	.105929E+00	-.149713E+01
	.4167E+01	.0000E+00	.200741E+00	.439835E-01	.155976E+00	-.160574E+01
	.3571E+01	.0000E+00	.179667E+00	.149775E-01	.164202E+00	-.171665E+01
	.3125E+01	.0000E+00	.163052E+00	.457407E-02	.158324E+00	-.181369E+01
	.2778E+01	.0000E+00	.152682E+00	.127551E-02	.151535E+00	-.187940E+01
	.2500E+01	.0000E+00	.146665E+00	.333304E-03	.146668E+00	-.191960E+01
12	.2273E+01	.0000E+00	.143513E+00	.821957E-04	.143868E+00	-.194133E+01
11	.2083E+01	.0000E+00	.142495E+00	.194826E-04	.142993E+00	-.194842E+01
10	.1923E+01	.0000E+00	.143345E+00	.448739E-05	.143862E+00	-.194250E+01
9	.1786E+01	.0000E+00	.145983E+00	.101371E-05	.146048E+00	-.192427E+01
8	.1667E+01	.0000E+00	.150453E+00	.227756E-06	.150911E+00	-.189411E+01
7	.1563E+01	.0000E+00	.156857E+00	.519459E-07	.157273E+00	-.185242E+01
6	.1471E+01	.0000E+00	.165361E+00	.133766E-07	.165732E+00	-.179963E+01
5	.1389E+01	.0000E+00	.176203E+00	.422781E-08	.176503E+00	-.173612E+01
4	.1316E+01	.0000E+00	.189714E+00	.224388E-08	.189956E+00	-.166224E+01
3						

CYLINDER

$R/\lambda = 5$ $\quad T_e/T_i = 1$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -1$

Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.1250E+01	.0000E+00	.206336E+00	.112582E-08	.206580E+00	-.157825E+01
.1190E+01	.0000E+00	.226667E+00	.965103E-09	.226876E+00	-.148427E+01
.1136E+01	.0000E+00	.251534E+00	.871907E-09	.251710E+00	-.138018E+01
.1087E+01	.0000E+00	.282118E+00	.576628E-09	.282232E+00	-.126543E+01
.1250E+02	.1250E+02	.999997E+00	.100000E+01	-.859052E-05	-.345264E-05
.1000E+02	.5000E+01	.999864E+00	.100014E+01	-.279024E-03	-.135824E-03
.7500E+01	.2500E+01	.998103E+00	.100190E+01	-.383136E-02	-.185852E-02
.5882E+01	.1471E+01	.988507E+00	.101163E+01	-.231764E-01	-.115594E-01
.4808E+01	.9615E+00	.898095E+00	.970853E+00	-.729726E-01	-.107476E+00
.4054E+01	.6757E+00	.549934E+00	.596221E+00	-.465942E-01	-.597957E+00
.3500E+01	.5000E+00	.312836E+00	.237711E+00	.748437E-01	-.116208E+01
.3077E+01	.3846E+00	.218286E+00	.642407E-01	.153966E+00	-.152195E+01
.2744E+01	.3049E+00	.179648E+00	.140070E-01	.165788E+00	-.171675E+01
.2475E+01	.2475E+00	.161588E+00	.263204E-02	.159278E+00	-.182270E+01
.2254E+01	.2049E+00	.152538E+00	.446171E-03	.152520E+00	-.188034E+01
.2069E+01	.1724E+00	.148340E+00	.705525E-04	.148747E+00	-.190825E+01
.1912E+01	.1471E+00	.147344E+00	.106854E-04	.147818E+00	-.191498E+01
.1777E+01	.1269E+00	.148864E+00	.156765E-05	.149325E+00	-.190472E+01
.1659E+01	.1106E+00	.152625E+00	.224548E-06	.153053E+00	-.187977E+01
.1556E+01	.9728E-01	.158565E+00	.324493E-07	.158954E+00	-.184159E+01
.1466E+01	.8621E-01	.166756E+00	.518466E-08	.167105E+00	-.179122E+01
.1385E+01	.7692E-01	.177384E+00	.118419E-08	.177691E+00	-.172944E+01
.1312E+01	.6906E-01	.190741E+00	.639156E-09	.191005E+00	-.165684E+01
.1247E+01	.6234E-01	.207244E+00	.300438E-09	.207478E+00	-.157386E+01
.1188E+01	.5656E-01	.227477E+00	.269745E-09	.227673E+00	-.148071E+01
.1134E+01	.5155E-01	.252245E+00	.167583E-09	.252395E+00	-.137735E+01
.1085E+01	.4717E-01	.282687E+00	.981188E-10	.282788E+00	-.126342E+01
.5000E+01	.1000E+02	.100000E+01	.100000E+01	-.745058E-08	-.861600E-10
.6250E+01	.6250E+01	.100000E+01	.100000E+01	-.543892E-06	-.335937E-06
.5769E+01	.3846E+01	.999993E+00	.100001E+01	-.324324E-04	-.678709E-05
.5000E+01	.2500E+01	.999803E+00	.100020E+01	-.330471E-03	-.197524E-03
.4310E+01	.1724E+01	.996368E+00	.100365E+01	-.709955E-02	-.363875E-02
.3750E+01	.1250E+01	.960923E+00	.100407E+01	-.800910E-01	-.398606E-01
.3302E+01	.9434E+00	.715960E+00	.846750E+00	-.130876E+00	-.334131E+00
.2941E+01	.7353E+00	.438773E+00	.434950E+00	.383060E-02	-.823772E+00
.2647E+01	.5882E+00	.282258E+00	.150406E+00	.132030E+00	-.126493E+01
.2404E+01	.4808E+00	.214045E+00	.362326E-01	.178121E+00	-.154157E+01
.2200E+01	.4000E+00	.182634E+00	.679793E-02	.176227E+00	-.170027E+01
.2027E+01	.3378E+00	.167301E+00	.100839E-02	.166647E+00	-.178796E+01
.1879E+01	.2890E+00	.160200E+00	.155694E-03	.160480E+00	-.183133E+01
.1750E+01	.2500E+00	.158115E+00	.210899E-04	.158512E+00	-.184443E+01
.1638E+01	.2183E+00	.159624E+00	.276079E-05	.160011E+00	-.183494E+01
.1538E+01	.1923E+00	.164093E+00	.353075E-06	.164449E+00	-.180732E+01
.1451E+01	.1706E+00	.171291E+00	.448955E-07	.171611E+00	-.176439E+01
.1372E+01	.1524E+00	.181225E+00	.621792E-08	.181511E+00	-.170802E+01
.1301E+01	.1377E+00	.194083E+00	.121836E-08	.194332E+00	-.163947E+01
.1238E+01	.1238E+00	.210211E+00	.600316E-09	.210422E+00	-.155965E+01
.1180E+01	.1124E+00	.230125E+00	.278507E-09	.230297E+00	-.146913E+01
.1127E+01	.1025E+00	.254553E+00	.247104E-09	.254687E+00	-.136825E+01
.1079E+01	.9381E-01	.284528E+00	.151608E-09	.284615E+00	-.125692E+01
.2500E+01	.7500E+01	.100000E+01	.100000E+01	.745058E-08	-.247059E-08
.3846E+01	.5769E+01	.100000E+01	.100000E+01	.745058E-06	-.409174E-06
.4167E+01	.4167E+01	.100001E+01	.999990E+00	-.197962E-04	.993328E-05
.4000E+01	.3000E+01	.999514E+00	.100009E+01	.146240E-03	-.857977E-04
.3676E+01	.2206E+01	.999891E+00	.100011E+01	-.857420E-03	-.109005E-03
.3333E+01	.1667E+01	.996017E+00	.100400E+01	-.829855E-02	-.399080E-02
.3017E+01	.1293E+01	.962629E+00	.103822E+01	-.765132E-01	-.380867E-01
.2740E+01	.1027E+01	.850516E+00	.117576E+01	-.325043E+00	-.161912E+00
.2500E+01	.8333E+00	.498733E+00	.485551E+00	.133653E-01	-.695684E+00
.2294E+01	.6881E+00	.323946E+00	.193698E+00	.130539E+00	-.112718E+01

CYLINDER

$R/\lambda = 5$ $\quad T_e/T_i = 1$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -1$

Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.2115E+01	.5769E+00	.241245E+CC	.455666E-01	.191635E+CC	-.142194E+01
.1961E+01	.4902E+00	.202019E+0C	.940962E-02	.192993E+CC	-.159939E+01
.1826E+01	.4213E+CC	.182845E+0C	.144234E-02	.181785E+CC	-.169912E+01
.17C7E+01	.3659E+00	.17405CE+CC	.194181E-C3	.17423CE+CC	-.174841E+01
.16C3E+01	.3205E+CC	.171529E+0C	.243328E-04	.171855E+CC	-.176300E+01
.15C9E+01	.283CE+00	.173433E+CC	.293201E-C5	.173751E+C0	-.175196E+01
.1426E+01	.2517E+0C	.178924E+0C	.3433C2E-06	.179215E+CC	-.172079E+01
.1351E+01	.2252E+0C	.187686E+CC	.3955C9E-C7	.187944E+CC	-.167298E+01
.1284E+01	.2027E+0C	.199716E+0C	.51C795E-08	.199936E+CC	-.161086E+01
.1222E+01	.1834E+0C	.215229E+CC	.1CC982E-08	.215412E+CC	-.153605E+01
.1167E+01	.1667E+00	.234632E+CC	.538543E-09	.234780E+CC	-.144974E+01
.1116E+01	.1521E+0C	.258525E+CC	.25C736E-09	.25864CE+CC	-.135276E+01
.1069E+01	.1394E+CC	.28775CE+CC	.222C79E-09	.287831E+C0	-.124566E+01
.1471E+01	.5882E+01	.1000CCE+01	.9999999E+C0	-.108033E-C5	.615020E-06
.25C0E+01	.500CE+01	.1000CCE+01	.9999996E+C0	-.549108E-C5	.409959E-05
.3000E+01	.4000E+01	.9999949E+0C	.1CCCC5E+01	.937879E-C4	-.513492E-04
.3125E+01	.3125E+01	.1000017E+01	.9999828E+00	-.405677E-C3	.172338E-03
.3049E+01	.2439E+01	.9999C1E+CC	.1CCC10E+01	.163324E-C3	-.991657E-04
.2885E+01	.1923E+01	.999217E+CC	.1CCC78E+01	-.140275E-C2	-.782914E-03
.2692E+01	.1538E+01	.992357E+CC	.10C77CE+01	-.145063E-C1	-.767215E-02
.25C0E+01	.1250E+01	.956649E+0C	.1045C2E+01	-.873666E-C1	-.443187E-01
.2320E+01	.1031E+01	.81508CE+0C	.122687E+C1	-.411169E+CC	-.204468E+00
.2155E+01	.8621E+00	.5064CCE+0C	.486C89E+00	.205481E-C1	-.680428E+00
.2007E+01	.7299E+00	.337166E+0C	.187787E+C0	.149665E+CC	-.108718E+01
.1875E+01	.625CE+00	.255811E+CC	.47C287E-01	.209098E+CC	-.136332E+01
.1757E+01	.54C5E+0C	.216353E+0C	.845978E-C2	.208219E+CC	-.153085E+01
.1651E+01	.4717E+00	.196955E+0C	.1225CCE-C2	.196C49E+CC	-.162478E+01
.1556E+01	.4149E+00	.188356E+0C	.155C1CE-C3	.1885C3E+CC	-.166942E+01
.1471E+01	.3676E+CC	.18651CE+0C	.182C23E-C4	.186772E+CC	-.167927E+01
.1393E+01	.3279E+CC	.189565E+0C	.203819E-05	.189815E+CC	-.166302E+01
.1324E+01	.2941E+00	.196687E+CC	.219520E-06	.1969C4E+CC	-.162614E+01
.1260E+01	.2653E+0C	.207576E+CC	.237677E-C7	.207762E+CC	-.157226E+01
.12C2E+01	.2404E+0C	.222267E+0C	.3114C6E-C8	.222422E+CC	-.150388E+01
.1149E+01	.2188E+0C	.241025E+CC	.73C760E-09	.241151E+C0	-.142286E+01
.1100E+01	.200CE+0C	.264285E+CC	.462892E-09	.264388E+CC	-.133073E+01
.1055E+01	.1835E+0C	.292618E+CC	.221522E-09	.292691E+CC	-.122889E+01
.9615E+00	.4808E+01	.999985E+CC	.1CCCC2E+01	.294521E-C4	-.151719E-04
.1724E+01	.431CE+01	.999954E+CC	.1CCCC5E+01	.802353E-C4	-.459185E-04
.22C6E+01	.3676E+01	.100020E+01	.9998C4E+C0	-.452481E-C3	.196072E-03
.2439E+01	.3C49E+C1	.999868E+0C	.1CCC13E+01	.497192E-C3	-.131673E-03
.25C0E+01	.25C0E+01	.999754E+CC	.1CCC25E+01	.426613E-C3	-.246452E-03
.2459E+01	.2C49E+C1	.999612E+CC	.1CCC39E+01	-.545830E-C3	-.388503E-03
.2365E+01	.1689E+01	.997145E+0C	.1CC286E+C1	-.554819E-C2	-.285928E-02
.2247E+C1	.1404E+01	.982838E+0C	.1C1746E+C1	-.548683E-C1	-.173106E-01
.2123E+01	.1179E+01	.922525E+0C	.1CE398E+01	-.161672E+C0	-.806407E-01
.20C0E+01	.1000E+01	.755661E+0C	.132334E+C1	-.566907E+CC	-.280162E+00
.1884E+01	.8562E+0C	.467617E+0C	.406454E+00	.614648E-C1	-.760106E+00
.1775E+01	.7396E+0C	.329497E+CC	.145591E+C0	.184206E+C0	-.111019E+01
.1675E+01	.6443E+CC	.261C62E+CC	.327136E-C1	.228636E+CC	-.134300E+01
.1584E+01	.5656E+00	.226762E+CC	.539476E-C2	.221641E+C0	-.148385E+01
.15C0E+01	.500CE+0C	.2099C2E+CC	.7263C9E-C3	.2C9434E+CC	-.156111E+01
.1423E+01	.4448E+00	.203109E+0C	.86CC26E-C4	.203257E+CC	-.159401E+01
.1354E+01	.3981E+0C	.203020E+0C	.94C833E-05	.203219E+CC	-.159445E+01
.1289E+01	.3582E+0C	.208058E+CC	.975272E-C6	.2C824CE+CC	-.156994E+01
.1231E+01	.3238E+0C	.217531E+CC	.993575E-C7	.2176E7E+CC	-.152541E+01
.1176E+01	.2941E+00	.231246E+CC	.1CCCC6E-07	.231377E+CC	-.146427E+01
.1127E+01	.2682E+0C	.249314E+CC	.163403E-C8	.249426E+C0	-.138904E+01
.1081E+01	.2456E+0C	.272036E+00	.527356E-C9	.272126E+C0	-.130182E+01
.1038E+01	.2256E+C0	.299686E+CC	.225534E-C9	.299746E+CC	-.120502E+01
.6757E+00	.4054E+01	.100012E+C1	.999E76E+C0	-.270918E-C3	.123835E-03

CYLINDER

$R/\lambda = 5$ $\quad T_e/T_i = 1$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -1$

Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.1250E+01	.3750E+01	.1000088E+01	.9999917E+00	-.1575655E-03	.828455E-04
.1667E+01	.3333E+01	.9999638E+00	.1000044E+01	.2176246E-03	-.374799E-04
.1923E+01	.2885E+01	.9997446E+00	.1000266E+01	.5232996E-03	-.255756E-03
.2049E+01	.2459E+01	.1000006E+01	.9999996E+00	-.3824316E-03	.139116E-05
.2083E+01	.2083E+01	.9998766E+00	.1000126E+01	-.7526506E-03	-.124210E-03
.2059E+01	.1765E+01	.9983836E+00	.1001626E+01	-.3785526E-02	-.161794E-02
.2000E+01	.1500E+01	.9897556E+00	.1010356E+01	-.2009256E-01	-.102941E-01
.1923E+01	.1282E+01	.9547736E+00	.1047376E+01	-.9172476E-01	-.462821E-01
.1838E+01	.1103E+01	.8461686E+00	.1181806E+01	-.3351356E+00	-.167037E+00
.1752E+01	.9554E+00	.5952896E+00	.6307036E+00	-.3516276E-01	-.518709E+00
.1667E+01	.8333E+00	.4170456E+00	.3141056E+00	.1031866E+00	-.874561E+00
.1585E+01	.7317E+00	.3156236E+00	.8972736E-01	.2261296E+00	-.115321E+01
.1509E+01	.6466E+00	.2627536E+00	.1732446E-01	.2456506E+00	-.133654E+01
.1437E+01	.5747E+00	.2356306E+00	.2556606E-02	.2332786E+00	-.144549E+01
.1370E+01	.5137E+00	.2228066E+00	.3145686E-03	.2226796E+00	-.150145E+01
.1308E+01	.4615E+00	.2189506E+00	.3415276E-04	.2191856E+00	-.151891E+01
.1250E+01	.4167E+00	.2215326E+00	.3484146E-05	.2216796E+00	-.150719E+01
.1196E+01	.3778E+00	.2293706E+00	.3433736E-06	.2295026E+00	-.147242E+01
.1147E+01	.3440E+00	.2420066E+00	.3358056E-07	.2421216E+00	-.141879E+01
.1101E+01	.3145E+00	.2594356E+00	.3738516E-08	.2595326E+00	-.134925E+01
.1058E+01	.2885E+00	.2819546E+00	.7195026E-09	.2820316E+00	-.126601E+01
.1018E+01	.2655E+00	.3099136E+00	.4085506E-09	.3099626E+00	-.117146E+01
.5000E+00	.3500E+01	.9997606E+00	.1000246E+01	.6489286E-03	-.249704E-03
.9434E+00	.3302E+01	.9999276E+00	.1000076E+01	.1448056E-03	-.726859E-04
.1293E+01	.3017E+01	.9999716E+00	.1000036E+01	-.1085556E-04	-.291805E-04
.1538E+01	.2692E+01	.9999826E+00	.1000026E+01	-.8198626E-04	-.184959E-04
.1689E+01	.2365E+01	.1000156E+01	.9996496E+00	-.3310596E-03	.151237E-03
.1765E+01	.2059E+01	.9996396E+00	.1000366E+01	-.1787026E-03	-.361168E-03
.1786E+01	.1786E+01	.9982186E+00	.1001796E+01	-.2914166E-02	-.178369E-02
.1770E+01	.1549E+01	.9918476E+00	.1008226E+01	-.1557166E-01	-.818647E-02
.1731E+01	.1346E+01	.9683426E+00	.1032696E+01	-.6376266E-01	-.321700E-01
.1678E+01	.1174E+01	.8989836E+00	.1112376E+01	-.2130646E+00	-.106491E+00
.1618E+01	.1029E+01	.7438516E+00	.1344286E+01	-.5998416E+00	-.295861E+00
.1554E+01	.9067E+00	.5132646E+00	.5000446E+00	.1345156E-01	-.666965E+00
.1491E+01	.8028E+00	.3770866E+00	.1793266E+00	.1979756E+00	-.975281E+00
.1429E+01	.7143E+00	.3033546E+00	.4143286E-01	.2621136E+00	-.119285E+01
.1369E+01	.6387E+00	.2645346E+00	.6839746E-02	.2576636E+00	-.132979E+01
.1311E+01	.5738E+00	.2449026E+00	.8880946E-03	.2441666E+00	-.140690E+01
.1257E+01	.5178E+00	.2368466E+00	.9770936E-04	.2368886E+00	-.144034E+01
.1206E+01	.4692E+00	.2367216E+00	.1006176E-04	.2368326E+00	-.144087E+01
.1159E+01	.4268E+00	.2427756E+00	.9667516E-06	.2428926E+00	-.141560E+01
.1114E+01	.3898E+00	.2542746E+00	.9149036E-07	.2543756E+00	-.136934E+01
.1071E+01	.3571E+00	.2710946E+00	.9223016E-08	.2711756E+00	-.130529E+01
.1032E+01	.3283E+00	.2937206E+00	.1350216E-08	.2937066E+00	-.122513E+01
.9948E+00	.3028E+00	.3238586E+00	.4378126E-09	.3238926E+00	-.112745E+01
.3846E+00	.3077E+01	.9999646E+00	.1000046E+01	-.2682556E-04	-.365026E-04
.7353E+00	.2941E+01	.9999866E+00	.1000136E+01	.7644306E-04	-.131747E-03
.1027E+01	.2740E+01	.1000106E+01	.9998976E+00	-.1926506E-03	.102576E-03
.1250E+01	.2500E+01	.9999956E+00	.1000016E+01	.2514946E-02	-.526364E-05
.1404E+01	.2247E+01	.9997156E+00	.1000286E+01	.4158056E-03	-.284713E-03
.1500E+01	.2000E+01	.9995806E+00	.1000426E+01	-.1141956E-02	-.420343E-03
.1549E+01	.1770E+01	.9982486E+00	.1001756E+01	-.4241606E-02	-.175316E-02
.1563E+01	.1563E+01	.9925156E+00	.1007546E+01	-.1535836E-01	-.751294E-02
.1552E+01	.1379E+01	.9738076E+00	.1026906E+01	-.5322936E-01	-.265421E-01
.1524E+01	.1220E+01	.9223936E+00	.1084146E+01	-.1620076E+00	-.807835E-01
.1486E+01	.1081E+01	.8066066E+00	.1240606E+01	-.4348256E+00	-.215597E+00
.1442E+01	.9615E+00	.5964756E+00	.6097356E+00	-.1315566E-01	-.516718E+00
.1395E+01	.8584E+00	.4385896E+00	.2858756E+00	.1532646E+00	-.823289E+00
.1346E+01	.7692E+00	.3458126E+00	.7826826E-01	.2676566E+00	-.106186E+01
.1298E+01	.6920E+00	.2950796E+00	.1447296E-01	.2807516E+00	-.122051E+01

CYLINDER

$R/\lambda = 5$ $\quad T_e/T_i = 1$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -1$

	Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
	.1250E+01	.6250E+00	.268412E+00	.199046E-02	.266559E+00	-.131523E+01
	.1204E+01	.5666E+00	.256025E+00	.227316E-03	.255924E+00	-.136248E+01
	.1160E+01	.5155E+00	.253121E+00	.232759E-04	.253214E+00	-.137389E+01
	.1118E+01	.4706E+00	.257364E+00	.226405E-05	.257464E+00	-.135726E+01
	.1078E+01	.4310E+00	.267686E+00	.209573E-06	.267767E+00	-.131794E+01
	.1040E+01	.3960E+00	.283732E+00	.195828E-07	.283753E+00	-.125972E+01
	.1004E+01	.3650E+00	.305596E+00	.225288E-08	.305633E+00	-.118551E+01
	.9696E+00	.3373E+00	.333555E+00	.516197E-09	.333576E+00	-.109795E+01
	.3049E+00	.2744E+01	.999977E+00	.100000E+01	-.179619E-03	-.227153E-04
	.5882E+00	.2647E+01	.100030E+01	.999703E+00	-.798352E-03	.296667E-03
	.8333E+00	.2500E+01	.999960E+00	.100004E+01	.350028E-03	-.395912E-04
	.1031E+01	.2320E+01	.999805E+00	.100019E+01	.356920E-03	-.191364E-03
	.1179E+01	.2123E+01	.999665E+00	.100034E+01	-.195056E-03	-.335225E-03
	.1282E+01	.1923E+01	.999250E+00	.100075E+01	-.141063E-02	-.750147E-03
	.1346E+01	.1731E+01	.997544E+00	.100246E+01	-.494716E-02	-.245896E-02
	.1379E+01	.1552E+01	.991832E+00	.100824E+01	-.165336E-01	-.820143E-02
	.1389E+01	.1389E+01	.975260E+00	.102537E+01	-.503147E-01	-.250512E-01
	.1381E+01	.1243E+01	.933789E+00	.107091E+01	-.137554E+00	-.685048E-01
	.1361E+01	.1114E+01	.845576E+00	.118263E+01	-.337356E+00	-.167737E+00
	.1333E+01	.1000E+01	.693633E+00	.144169E+01	-.748219E+00	-.365813E+00
	.1300E+01	.9000E+00	.498943E+00	.378728E+00	.120269E+00	-.695263E+00
	.1264E+01	.8123E+00	.387103E+00	.121842E+00	.265361E+00	-.949064E+00
	.1225E+01	.7353E+00	.325357E+00	.248761E-01	.300598E+00	-.112283E+01
	.1187E+01	.6677E+00	.292138E+00	.360214E-02	.288655E+00	-.123053E+01
	.1149E+01	.6081E+00	.275685E+00	.435473E-03	.275362E+00	-.128850E+01
	.1111E+01	.5556E+00	.270166E+00	.450713E-04	.270241E+00	-.130872E+01
	.1075E+01	.5090E+00	.272715E+00	.433720E-05	.272753E+00	-.129933E+01
	.1040E+01	.4678E+00	.281971E+00	.400920E-06	.282034E+00	-.126595E+01
	.1006E+01	.4310E+00	.297391E+00	.362082E-07	.297437E+00	-.121271E+01
	.9735E+00	.3982E+00	.318778E+00	.365238E-08	.318807E+00	-.114326E+01
	.9426E+00	.3689E+00	.345093E+00	.631402E-09	.345106E+00	-.106394E+01
	.2475E+00	.2475E+01	.999738E+00	.100026E+01	.620782E-04	-.262252E-03
	.4808E+00	.2404E+01	.999542E+00	.100006E+01	-.250839E-03	-.578781E-04
	.6881E+00	.2294E+01	.100005E+01	.999950E+00	-.278614E-03	.502767E-04
	.8621E+00	.2155E+01	.999781E+00	.100022E+01	-.110514E-03	-.219339E-03
	.1000E+01	.2000E+01	.999411E+00	.100059E+01	-.750862E-03	-.588790E-03
	.1103E+01	.1838E+01	.998778E+00	.100122E+01	-.271745E-02	-.122257E-02
	.1174E+01	.1678E+01	.996522E+00	.100349E+01	-.730149E-02	-.348371E-02
	.1220E+01	.1524E+01	.989967E+00	.101013E+01	-.200571E-01	-.100838E-01
	.1243E+01	.1381E+01	.973569E+00	.102715E+01	-.536207E-01	-.267868E-01
	.1250E+01	.1250E+01	.936166E+00	.106819E+01	-.132441E+00	-.659626E-01
	.1244E+01	.1131E+01	.860662E+00	.116190E+01	-.301820E+00	-.150053E+00
	.1230E+01	.1025E+01	.730154E+00	.136957E+01	-.639806E+00	-.314500E+00
	.1208E+01	.9294E+00	.541761E+00	.466082E+00	.736850E-01	-.612930E+00
	.1182E+01	.8446E+00	.422137E+00	.164048E+00	.258161E+00	-.862425E+00
	.1154E+01	.7692E+00	.353037E+00	.355549E-01	.317529E+00	-.104118E+01
	.1124E+01	.7022E+00	.314769E+00	.560762E-02	.309246E+00	-.115592E+01
	.1093E+01	.6427E+00	.294976E+00	.684440E-03	.294376E+00	-.122086E+01
	.1061E+01	.5896E+00	.287252E+00	.726605E-04	.287251E+00	-.124740E+01
	.1030E+01	.5423E+00	.288373E+00	.699337E-05	.288423E+00	-.124350E+01
	.1000E+01	.5000E+00	.296793E+00	.638425E-06	.296837E+00	-.121472E+01
12	.9704E+00	.4621E+00	.311990E+00	.565602E-07	.312025E+00	-.116478E+01
11	.9418E+00	.4281E+00	.334462E+00	.530398E-08	.334485E+00	-.109523E+01
10	.9141E+00	.3975E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
9	.2049E+00	.2254E+01	.999635E+00	.100036E+01	-.112458E-02	-.364662E-03
8	.4000E+00	.2200E+01	.999505E+00	.100010E+01	-.100127E-02	-.951854E-04
7	.5769E+00	.2115E+01	.999653E+00	.100035E+01	-.145167E-03	-.347100E-03
6	.7299E+00	.2007E+01	.999447E+00	.100055E+01	-.818327E-03	-.552871E-03
5	.8562E+00	.1884E+01	.998946E+00	.100105E+01	-.210097E-02	-.105440E-02
4	.9554E+00	.1752E+01	.997680E+00	.100233E+01	-.462104E-02	-.232245E-02
3						

CYLINDER

$R/\lambda = 5$ $\quad T_e/T_i = 1$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -1$

	Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
	.1029E+01	.1618E+01	.994428E+00	.100560E+01	-.110661E-01	-.558798E-02
	.1081E+01	.1486E+01	.986666E+00	.101351E+01	-.268588E-01	-.134235E-01
	.1114E+01	.1361E+01	.969180E+00	.103180E+01	-.629021E-01	-.313052E-01
	.1131E+01	.1244E+01	.932223E+00	.107271E+01	-.140579E+00	-.701837E-01
	.1136E+01	.1136E+01	.861837E+00	.116031E+01	-.298693E+00	-.148689E+00
	.1132E+01	.1038E+01	.742797E+00	.134626E+01	-.600604E+00	-.297333E+00
	.1121E+01	.9483E+00	.569025E+00	.536400E+00	.326564E-01	-.563831E+00
	.1104E+01	.8675E+00	.449050E+00	.194771E+00	.254345E+00	-.800621E+00
	.1084E+01	.7948E+00	.376556E+00	.445481E-01	.332086E+00	-.976689E+00
	.1061E+01	.7294E+00	.335184E+00	.731573E-02	.327949E+00	-.109308E+01
	.1037E+01	.6707E+00	.313091E+00	.922969E-03	.312235E+00	-.116126E+01
	.1011E+01	.6180E+00	.303764E+00	.980795E-04	.303717E+00	-.119151E+01
	.9855E+00	.5705E+00	.303818E+00	.942807E-05	.303853E+00	-.119133E+01
	.9597E+00	.5278E+00	.311587E+00	.858208E-06	.311625E+00	-.116608E+01
	.9342E+00	.4893E+00	.326350E+00	.756719E-07	.326377E+00	-.111978E+01
	.9091E+00	.4545E+00	.347331E+00	.718548E-08	.347344E+00	-.105748E+01
	.8846E+00	.4231E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
	.1724E+00	.2069E+01	.998725E+00	.100128E+01	-.247757E-02	-.127618E-02
	.3378E+00	.2027E+01	.999374E+00	.100063E+01	-.231435E-02	-.626365E-03
	.4902E+00	.1961E+01	.999124E+00	.100088E+01	-.172504E-02	-.875925E-03
	.6250E+00	.1875E+01	.998563E+00	.100144E+01	-.230648E-02	-.143756E-02
	.7396E+00	.1775E+01	.997757E+00	.100225E+01	-.460340E-02	-.224557E-02
	.8333E+00	.1667E+01	.995665E+00	.100435E+01	-.879854E-02	-.434484E-02
	.9067E+00	.1554E+01	.991147E+00	.100893E+01	-.180568E-01	-.889274E-02
	.9615E+00	.1442E+01	.981615E+00	.101873E+01	-.376931E-01	-.185557E-01
	.1000E+01	.1333E+01	.961796E+00	.103972E+01	-.781312E-01	-.389533E-01
	.1025E+01	.1230E+01	.923475E+00	.108287E+01	-.159553E+00	-.796120E-01
	.1038E+01	.1132E+01	.854779E+00	.116985E+01	-.315238E+00	-.156912E+00
	.1042E+01	.1042E+01	.743241E+00	.134546E+01	-.602287E+00	-.296735E+00
	.1038E+01	.9585E+00	.583666E+00	.573792E+00	.987016E-02	-.538436E+00
	.1029E+01	.8824E+00	.467666E+00	.200254E+00	.259425E+00	-.760061E+00
	.1016E+01	.8130E+00	.395132E+00	.499154E-01	.345249E+00	-.928536E+00
	.1000E+01	.7500E+00	.352634E+00	.824212E-02	.344428E+00	-.104232E+01
	.9815E+00	.6928E+00	.329395E+00	.104664E-02	.328386E+00	-.111050E+01
	.9615E+00	.6410E+00	.319160E+00	.111375E-03	.319067E+00	-.114206E+01
	.9406E+00	.5941E+00	.318614E+00	.107048E-04	.318637E+00	-.114378E+01
	.9191E+00	.5515E+00	.326126E+00	.973476E-06	.326142E+00	-.112049E+01
	.8974E+00	.5128E+00	.341441E+00	.852644E-07	.341452E+00	-.107458E+01
	.8758E+00	.4777E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
	.8544E+00	.4458E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
	.1471E+00	.1912E+01	.996814E+00	.100320E+01	-.651373E-02	-.319063E-02
	.2890E+00	.1879E+01	.997574E+00	.100243E+01	-.489088E-02	-.242870E-02
	.4213E+00	.1826E+01	.997652E+00	.100235E+01	-.502966E-02	-.235036E-02
	.5405E+00	.1757E+01	.996931E+00	.100308E+01	-.622972E-02	-.307335E-02
	.6443E+00	.1675E+01	.995241E+00	.100478E+01	-.935030E-02	-.477032E-02
	.7317E+00	.1585E+01	.992077E+00	.100799E+01	-.161877E-01	-.795409E-02
	.8028E+00	.1491E+01	.985875E+00	.101433E+01	-.290906E-01	-.142256E-01
	.8584E+00	.1395E+01	.973741E+00	.102697E+01	-.537319E-01	-.266104E-01
	.9000E+00	.1300E+01	.950855E+00	.105169E+01	-.101046E+00	-.503940E-01
	.9294E+00	.1208E+01	.909954E+00	.109956E+01	-.189022E+00	-.943613E-01
	.9483E+00	.1121E+01	.841250E+00	.118871E+01	-.347347E+00	-.172867E+00
12	.9585E+00	.1038E+01	.735057E+00	.136044E+01	-.625312E+00	-.307807E+00
11	.9615E+00	.9615E+00	.587646E+00	.571917E+00	.157313E-01	-.531631E+00
10	.9589E+00	.8904E+00	.478356E+00	.208025E+00	.270339E+00	-.737400E+00
9	.9518E+00	.8249E+00	.408416E+00	.489538E-01	.359457E+00	-.895484E+00
8	.9412E+00	.7647E+00	.366606E+00	.801971E-02	.358561E+00	-.100347E+01
7	.9279E+00	.7096E+00	.343361E+00	.101089E-02	.342362E+00	-.106897E+01
6	.9128E+00	.6592E+00	.332983E+00	.107277E-03	.332855E+00	-.109967E+01
5	.8962E+00	.6132E+00	.332325E+00	.103027E-04	.332329E+00	-.110164E+01
4	.8787E+00	.5712E+00	.339509E+00	.939847E-06	.339520E+00	-.108025E+01
3						

CYLINDER

$R/\lambda = 5$ $T_e/T_i = 1$ $V/C_i = 8$ $e\phi_s/KT_e = -1$

Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.86C7E+00	.5328E+0C	.352601E+CC	.8437C9E-07	.3526C7E+CC	-.104242E+01
.8423E+00	.4977E+00	.367879E+0C	.10CCCCE+01	.C000CCE+CC	-.100000E+01
.8238E+00	.4656E+C0	.367879E+CC	.1CCCC0E+01	.CCC0CCE+CC	-.100000E+01
.1269E+00	.1777E+01	.992741E+0C	.1CC731E+01	-.14987CE-C1	-.728569E-02
.25C0E+00	.1750E+01	.994238E+0C	.1CC58CE+C1	-.119134E-C1	-.577893E-02
.3659E+00	.17C7E+01	.994237E+CC	.1CC58CE+C1	-.11328CE-C1	-.577957E-02
.4717E+00	.1651E+01	.993027E+0C	.1CC7C2E+01	-.134544E-C1	-.699760E-02
.5656E+00	.1584E+C1	.99048CE+0C	.1CC961E+C1	-.188506E-C1	-.956541E-02
.6466E+00	.1509E+01	.985771E+CC	.1C1443E+01	-.287323E-C1	-.1433C8E-01
.7143E+00	.1429E+01	.977243E+0C	.1C2329E+01	-.464203E-C1	-.230203E-01
.7692E+00	.1346E+01	.961819E+0C	.1C397CE+C1	-.78C023E-C1	-.389288E-01
.8123E+00	.1264E+01	.935210E+0C	.1C6928E+01	-.134228E+CC	-.669843E-01
.8446E+00	.1182E+01	.890964E+0C	.11223EE+C1	-.231429E+CC	-.115451E+00
.8675E+00	.11C4E+01	.821367E+0C	.121748E+01	-.396284E+CC	-.196765E+00
.8824E+00	.1C29E+01	.719216E+0C	.139040E+01	-.671361E+CC	-.329593E+00
.8904E+00	.9589E+0C	.582344E+0C	.5211186+00	.511984E-C1	-.540693E+00
.8929E+00	.8929E+00	.481567E+0C	.187179E+C0	.294366E+CC	-.730710E+00
.8907E+00	.8314E+0C	.416332E+CC	.42C81CE-C1	.374226E+CC	-.876273E+00
.8850E+00	.7743E+0C	.376773E+CC	.669552E-02	.370067E+CC	-.976113E+00
.8763E+00	.7216E+00	.354605E+0C	.83C419E-C3	.353777E+CC	-.103675E+01
.8654E+00	.6731E+0C	.344879E+CC	.8738759E-C4	.344794E+C0	-.106456E+01
.8528E+00	.6284E+0C	.344948E+0C	.837357E-05	.344945E+CC	-.106436E+01
.8389E+00	.5872E+0C	.353441E+CC	.757955E-06	.353439E+CC	-.104004E+01
.8242E+00	.5495E+00	.367879E+CC	.1CCCC0E+01	.CCC0CCE+CC	-.100000E+01
.8088E+00	.5147E+0C	.367879E+0C	.1CCCC0E+C1	.CCC0CCE+CC	-.100CC0E+01
.7931E+00	.4828E+0C	.367879E+CC	.1CCCC0E+C1	.C0C0CCE+CC	-.10C00CE+01
.11C6E+00	.1659E+01	.984913E+CC	.1C1532E+01	-.3C58C3E-C1	-.152015E-01
.2183E+00	.1638E+01	.98748EE+CC	.1C1267E+01	-.2526C6E-C1	-.125906E-01
.32C5E+00	.16C3E+01	.98768CE+CC	.1C1247E+01	-.246322E-C1	-.123967E-01
.4149E+00	.1556E+01	.985932E+0C	.1C1427E+01	-.28027SE-C1	-.141679E-01
.50C0E+00	.15C0E+01	.982192E+CC	.1C1813E+01	-.3592C2E-C1	-.179689E-01
.5747E+00	.1437E+01	.97547CE+0C	.1C2515E+01	-.4997S8E-C1	-.248359E-01
.6387E+00	.1369E+01	.9c3786E+0C	.1C3757E+01	-.738098E-01	-.368856E-01
.6920E+00	.1298E+01	.944455E+CC	.1C5881E+C1	-.114352E+CC	-.571473E-01
.7353E+00	.1225E+01	.913439E+0C	.1C9476E+01	-.181476E+CC	-.905388E-01
.7652E+00	.1154E+01	.8c5276E+CC	.115570E+01	-.290762E+CC	-.1447C7E+00
.7948E+00	.1C84E+01	.793975E+CC	.125948E+01	-.4659C8E+CC	-.230699E+00
.8130E+00	.1016E+01	.69506CE+0C	.143873E+01	-.744CC5E+CC	-.363757E+00
.8249E+00	.9518E+00	.5685C6E+0C	.447311E+C0	.121123E+CC	-.564744E+00
.8314E+00	.89C7E+0C	.4778c8E+0C	.147854E+C0	.329912E+CC	-.738438E+00
.8333E+00	.8333E+00	.41902CE+00	.313926E-01	.38765CE+CC	-.869836E+00
.8316E+00	.7796E+00	.383007E+0C	.477982E-02	.378231E+CC	-.959702E+00
.8268E+00	.7296E+00	.362822E+CC	.579144E-03	.362239E+CC	-.101384E+01
.8197E+00	.6831E+00	.354325E+0C	.6C4795E-04	.354261E+C0	-.103754E+01
.8106E+00	.6399E+0C	.355662E+0C	.577281E-C5	.355647E+CC	-.103378E+01
.80C0E+00	.60CCE+0C	.367879E+CC	.1CCCC0E+01	.C000CCE+C0	-.100000E+01
.7883E+00	.5631E+0C	.367879E+CC	.1CCCC0E+01	.C0C0CCE+CC	-.1000C0E+01
.7757E+00	.52d9E+00	.367879E+CC	.1CCCC0E+01	.C0C0CCE+CC	-.10000CE+01
.7626E+00	.4973E+0C	.367879E+0C	.1CCCCCE+01	.C00QCCE+CC	-.100000E+01
.9728E-01	.1556E+01	.971598E+0C	.1C2923E+C1	-.579433E-C1	-.288136E-01
.1923E+00	.1538E+01	.975581E+CC	.1C2503E+C1	-.493041E-C1	-.247222E-01
.2830E+00	.15C9E+01	.97614CE+0C	.1C2444E+C1	-.482327E-C1	-.241488E-01
.3676E+00	.1471E+01	.973912E+0C	.1C2679E+C1	-.532c63E-C1	-.264342E-C1
.4448E+00	.1423E+01	.968571E+CC	.1C3245E+C1	-.642517E-C1	-.319330E-01
.5137E+00	.1370E+01	.959123E+0C	.1C4262E+C1	-.837081E-C1	-.417360E-01
.5738E+00	.1311E+01	.943794E+0C	.1C5955E+C1	-.1159C4E+CC	-.578479E-01
.6250E+00	.1250E+01	.920CCCE+0C	.1C8659E+C1	-.167254E+CC	-.833816E-01
.6677E+00	.1187E+01	.883952E+CC	.113128E+01	-.247734E+CC	-.123353E+00
.7022E+00	.1124E+01	.831072E+0C	.1c0320E+01	-.372566E+CC	-.185039E+00
.7294E+00	.1061E+01	.756982E+CC	.1c2103E+01	-.564262E+CC	-.278414E+00

CYLINDER

$R/\lambda = 5$ $\quad T_e/T_i = 1$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -1$

Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.7500E+00	.1000E+01	.660069E+00	.151499E+01	-.855138E+00	-.415411E+00
.7647E+00	.9412E+00	.546679E+00	.355886E+00	.190745E+00	-.603893E+00
.7743E+00	.8850E+00	.467915E+00	.103338E+00	.364553E+00	-.759468E+00
.7796E+00	.8316E+00	.416822E+00	.201450E-01	.396676E+00	-.875097E+00
.7813E+00	.7813E+00	.385418E+00	.290452E-02	.382506E+00	-.953427E+00
.7798E+00	.7339E+00	.367897E+00	.341217E-03	.367552E+00	-.999951E+00
.7759E+00	.6897E+00	.360740E+00	.353441E-04	.360701E+00	-.101960E+01
.7699E+00	.6483E+00	.361660E+00	.343162E-05	.361654E+00	-.101705E+01
.7622E+00	.6098E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.7532E+00	.5739E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.7432E+00	.5405E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.7325E+00	.5096E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.8621E-01	.1466E+01	.950478E+00	.109210E+01	-.101862E+00	-.507899E-01
.1706E+00	.1451E+01	.956520E+00	.104546E+01	-.893420E-01	-.444539E-01
.2517E+00	.1426E+01	.957544E+00	.104434E+01	-.876767E-01	-.433840E-01
.3279E+00	.1393E+01	.954587E+00	.104757E+01	-.937372E-01	-.464769E-01
.3981E+00	.1354E+01	.947200E+00	.105574E+01	-.109041E+00	-.542455E-01
.4615E+00	.1308E+01	.934544E+00	.107004E+01	-.135627E+00	-.676970E-01
.5178E+00	.1257E+01	.915116E+00	.109276E+01	-.177838E+00	-.887044E-01
.5666E+00	.1204E+01	.886361E+00	.112821E+01	-.242141E+00	-.120631E+00
.6081E+00	.1149E+01	.844864E+00	.118359E+01	-.338956E+00	-.168556E+00
.6427E+00	.1093E+01	.786801E+00	.127097E+01	-.484234E+00	-.239780E+00
.6707E+00	.1037E+01	.708520E+00	.141135E+01	-.702945E+00	-.344576E+00
.6928E+00	.9815E+00	.607076E+00	.674018E+00	-.669728E-01	-.499101E+00
.7096E+00	.9279E+00	.517088E+00	.251629E+00	.265451E+00	-.659541E+00
.7216E+00	.8763E+00	.452642E+00	.630511E-01	.389591E+00	-.792654E+00
.7296E+00	.8268E+00	.410318E+00	.110235E-01	.399283E+00	-.890822E+00
.7339E+00	.7798E+00	.384369E+00	.148860E-02	.382871E+00	-.956151E+00
.7353E+00	.7353E+00	.370240E+00	.168690E-03	.370069E+00	-.993603E+00
.7341E+00	.6933E+00	.365279E+00	.172026E-04	.365259E+00	-.100709E+01
.7308E+00	.6536E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.7257E+00	.6168E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.7192E+00	.5822E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.7115E+00	.5498E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.7029E+00	.5196E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.7692E-01	.1385E+01	.919377E+00	.108769E+01	-.168482E+00	-.840590E-01
.1524E+00	.1372E+01	.927684E+00	.107795E+01	-.150859E+00	-.750639E-01
.2252E+00	.1351E+01	.929246E+00	.107614E+01	-.147364E+00	-.733815E-01
.2941E+00	.1324E+01	.925139E+00	.108092E+01	-.156031E+00	-.778160E-01
.3582E+00	.1289E+01	.915385E+00	.109244E+01	-.177206E+00	-.884108E-01
.4167E+00	.1250E+01	.899354E+00	.111191E+01	-.212743E+00	-.106078E+00
.4692E+00	.1206E+01	.875529E+00	.114217E+01	-.266740E+00	-.132927E+00
.5155E+00	.1160E+01	.841751E+00	.118800E+01	-.346433E+00	-.172271E+00
.5556E+00	.1111E+01	.795127E+00	.125766E+01	-.462659E+00	-.229253E+00
.5896E+00	.1061E+01	.732770E+00	.136466E+01	-.632006E+00	-.310923E+00
.6180E+00	.1011E+01	.652876E+00	.153168E+01	-.878782E+00	-.426368E+00
.6410E+00	.9615E+00	.558440E+00	.454255E+00	.104130E+00	-.582608E+00
.6592E+00	.9128E+00	.485376E+00	.148444E+00	.336960E+00	-.722832E+00
.6731E+00	.8654E+00	.433929E+00	.318933E-01	.402035E+00	-.834875E+00
.6831E+00	.8197E+00	.400195E+00	.500949E-02	.395195E+00	-.915794E+00
.6897E+00	.7759E+00	.380357E+00	.629461E-03	.379727E+00	-.966646E+00
.6933E+00	.7341E+00	.370128E+00	.669100E-04	.370056E+00	-.993906E+00
.6944E+00	.6944E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.6934E+00	.6569E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.6906E+00	.6215E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.6863E+00	.5882E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.6807E+00	.5569E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.6741E+00	.5275E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.6906E-01	.1312E+01	.876220E+00	.114127E+01	-.265043E+00	-.132138E+00
.1370E+00	.1301E+01	.886642E+00	.112785E+01	-.241595E+00	-.120314E+00

CYLINDER

$R/\lambda = 5$ $\quad T_e/T_i = 1$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -1$

Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.2027E+00	.1284E+01	.888532E+00	.112545E+01	-.237161E+00	-.118184E+00
.2653E+00	.1260E+01	.883126E+00	.113234E+01	-.249047E+00	-.124287E+00
.3238E+00	.1231E+01	.870996E+00	.114812E+01	-.277417E+00	-.138124E+00
.3778E+00	.1196E+01	.851403E+00	.117453E+01	-.323453E+00	-.160870E+00
.4268E+00	.1159E+01	.823228E+00	.121473E+01	-.391671E+00	-.194522E+00
.4706E+00	.1118E+01	.784832E+00	.127416E+01	-.489394E+00	-.242286E+00
.5090E+00	.1075E+01	.733933E+00	.136252E+01	-.628708E+00	-.309338E+00
.5423E+00	.1030E+01	.668114E+00	.149675E+01	-.828658E+00	-.403297E+00
.5705E+00	.9855E+00	.584598E+00	.731218E+00	-.146581E+00	-.536831E+00
.5941E+00	.9406E+00	.509327E+00	.274933E+00	.234415E+00	-.674666E+00
.6132E+00	.8962E+00	.452684E+00	.706795E-01	.382012E+00	-.792562E+00
.6284E+00	.8526E+00	.412704E+00	.128824E-01	.399836E+00	-.885025E+00
.6399E+00	.8106E+00	.386601E+00	.182694E-02	.384781E+00	-.950362E+00
.6483E+00	.7699E+00	.374154E+00	.213221E-03	.373946E+00	-.983088E+00
.6538E+00	.7308E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.6569E+00	.6934E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.6579E+00	.6579E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.6570E+00	.6242E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.6546E+00	.5923E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.6509E+00	.5621E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.6461E+00	.5337E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.6234E-01	.1247E+01	.819709E+00	.121994E+01	-.400394E+00	-.198806E+00
.1238E+00	.1238E+01	.831604E+00	.120250E+01	-.370866E+00	-.184399E+00
.1834E+00	.1222E+01	.833559E+00	.119968E+01	-.366223E+00	-.182051E+00
.2404E+00	.1202E+01	.827005E+00	.120918E+01	-.382546E+00	-.189945E+00
.2941E+00	.1176E+01	.812277E+00	.123111E+01	-.419216E+00	-.207914E+00
.3440E+00	.1147E+01	.789085E+00	.126729E+01	-.478466E+00	-.236881E+00
.3898E+00	.1114E+01	.756933E+00	.132113E+01	-.564266E+00	-.278485E+00
.4310E+00	.1078E+01	.715057E+00	.139849E+01	-.683332E+00	-.335392E+00
.4678E+00	.1040E+01	.661736E+00	.151119E+01	-.849432E+00	-.412897E+00
.5000E+00	.1000E+01	.596238E+00	.167718E+01	-.1080S2E+01	-.517115E+00
.5278E+00	.9597E+00	.520607E+00	.419225E+00	.101372E+00	-.652759E+00
.5515E+00	.9191E+00	.461984E+00	.122666E+00	.339300E+00	-.772225E+00
.5712E+00	.8787E+00	.420429E+00	.252091E-01	.395220E+00	-.866481E+00
.5872E+00	.8389E+00	.398802E+00	.397404E-02	.385825E+00	-.942116E+00
.6000E+00	.8000E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.6098E+00	.7622E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.6168E+00	.7257E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.6215E+00	.6906E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.6242E+00	.6570E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.6250E+00	.6250E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.6243E+00	.5945E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.6222E+00	.5656E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.6189E+00	.5382E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.5656E-01	.1188E+01	.749472E+00	.133427E+01	-.585081E+00	-.288386E+00
.1124E+00	.1180E+01	.761988E+00	.131236E+01	-.550471E+00	-.271825E+00
.1667E+00	.1167E+01	.763681E+00	.130945E+01	-.546157E+00	-.269605E+00
.2188E+00	.1149E+01	.755758E+00	.132317E+01	-.567716E+00	-.280034E+00
.2682E+00	.1127E+01	.739489E+00	.135412E+01	-.615646E+00	-.303145E+00
.3145E+00	.1101E+01	.711925E+00	.140464E+01	-.695266E+00	-.339783E+00
.3571E+00	.1071E+01	.676360E+00	.147850E+01	-.802032E+00	-.391030E+00
.3960E+00	.1040E+01	.632884E+00	.158007E+01	-.947095E+00	-.457468E+00
.4310E+00	.1006E+01	.578600E+00	.172831E+01	-.114961E+01	-.547143E+00
.4621E+00	.9704E+00	.513232E+00	.519382E+00	-.614977E-02	-.667028E+00
.4893E+00	.9342E+00	.458855E+00	.170237E+00	.288608E+00	-.779011E+00
.5128E+00	.8974E+00	.415996E+00	.382734E-01	.377767E+00	-.877095E+00
.5328E+00	.8607E+00	.390658E+00	.627723E-02	.384375E+00	-.939924E+00
.5495E+00	.8242E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.5631E+00	.7883E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.5739E+00	.7532E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01

CYLINDER

$R/\lambda = 5$ $\quad T_e/T_i = 1$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -1$

Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.5822E+00	.7192E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.5882E+00	.6862E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.5923E+00	.6546E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.5945E+00	.6243E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.5952E+00	.5952E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.5946E+00	.5676E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.5928E+00	.5412E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.5155E-01	.1134E+01	.666564E+00	.150023E+01	-.834052E+00	-.405619E+00
.1025E+00	.1127E+01	.678426E+00	.147400E+01	-.796129E+00	-.387980E+00
.1521E+00	.1116E+01	.679263E+00	.147218E+01	-.793095E+00	-.386747E+00
.2000E+00	.1100E+01	.670197E+00	.149210E+01	-.821820E+00	-.400182E+00
.2456E+00	.1081E+01	.650981E+00	.153614E+01	-.885004E+00	-.429275E+00
.2885E+00	.1058E+01	.621440E+00	.160916E+01	-.987576E+00	-.475715E+00
.3283E+00	.1032E+01	.582414E+00	.171699E+01	-.113448E+01	-.540574E+00
.3650E+00	.1004E+01	.540981E+00	.184849E+01	-.130736E+01	-.614370E+00
.3982E+00	.9735E+00	.488186E+00	.553608E+00	-.654074E-01	-.717059E+00
.4281E+00	.9418E+00	.438182E+00	.187130E+00	.251045E+00	-.825120E+00
.4545E+00	.9091E+00	.404587E+00	.420703E-01	.362505E+00	-.904889E+00
.4777E+00	.8758E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.4977E+00	.8423E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.5147E+00	.8088E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.5289E+00	.7757E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.5405E+00	.7432E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.5498E+00	.7115E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.5569E+00	.6807E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.5621E+00	.6509E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.5656E+00	.6222E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.5676E+00	.5946E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.5682E+00	.5682E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.5676E+00	.5429E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.4717E-01	.1085E+01	.573285E+00	.174433E+01	-.117144E+01	-.556373E+00
.9381E-01	.1079E+01	.582640E+00	.171633E+01	-.113400E+01	-.540186E+00
.1394E+00	.1069E+01	.582535E+00	.171664E+01	-.113412E+01	-.540300E+00
.1835E+00	.1055E+01	.573446E+00	.174384E+01	-.117030E+01	-.558091E+00
.2256E+00	.1038E+01	.553495E+00	.180669E+01	-.125289E+01	-.591494E+00
.2655E+00	.1018E+01	.521837E+00	.191631E+01	-.139405E+01	-.650401E+00
.3028E+00	.9948E+00	.475355E+00	.210478E+01	-.172263E+00	-.743684E+00
.3373E+00	.9696E+00	.444700E+00	.476650E+00	-.319765E-01	-.810356E+00
.3689E+00	.9426E+00	.412829E+00	.138920E+00	.273903E+00	-.884722E+00
.3975E+00	.9141E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.4231E+00	.8846E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.4458E+00	.8544E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.4656E+00	.8238E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.4828E+00	.7931E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.4973E+00	.7626E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.5096E+00	.7325E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.5196E+00	.7029E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.5275E+00	.6741E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.5337E+00	.6461E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.5382E+00	.6189E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.5412E+00	.5928E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.5429E+00	.5676E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.5435E+00	.5435E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01

CYLINDER

$R/\lambda = 1$ $T_e/T_i = 1$ $V/C_i = 8$ $e\phi_s/KT_e = -1$

	Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
	.2500E+02	.0000E+00	.959482E+00	.959738E+00	-.255972E-03	-.413614E-01
	.1250E+02	.0000E+00	.722422E+00	.707592E+00	.144166E-01	-.325146E+00
	.8333E+01	.0000E+00	.505635E+00	.291217E+00	.214418E+00	-.681948E+00
	.6250E+01	.0000E+00	.523242E+00	.975732E-01	.425302E+00	-.647711E+00
	.5000E+01	.0000E+00	.542728E+00	.351256E-01	.507557E+00	-.611146E+00
	.4167E+01	.0000E+00	.546827E+00	.115698E-01	.535196E+00	-.603622E+00
	.3571E+01	.0000E+00	.541945E+00	.347779E-02	.538533E+00	-.612591E+00
	.3125E+01	.0000E+00	.533885E+00	.962205E-03	.532716E+00	-.627567E+00
	.2778E+01	.0000E+00	.523630E+00	.247355E-03	.523134E+00	-.646571E+00
	.2500E+01	.0000E+00	.512006E+00	.611374E-04	.511695E+00	-.669419E+00
12	.2273E+01	.0000E+00	.499771E+00	.144585E-04	.499564E+00	-.693605E+00
11	.2083E+01	.0000E+00	.487315E+00	.333381E-05	.487249E+00	-.718845E+00
10	.1923E+01	.0000E+00	.475100E+00	.755842E-06	.474980E+00	-.744229E+00
9	.1786E+01	.0000E+00	.463161E+00	.169797E-06	.463081E+00	-.769680E+00
8	.1667E+01	.0000E+00	.451648E+00	.382347E-07	.451579E+00	-.794851E+00
7	.1563E+01	.0000E+00	.440585E+00	.900001E-08	.440618E+00	-.819643E+00
6	.1471E+01	.0000E+00	.430167E+00	.272401E-08	.430163E+00	-.843582E+00
5	.1389E+01	.0000E+00	.420366E+00	.993983E-09	.420329E+00	-.866643E+00
4	.1316E+01	.0000E+00	.411167E+00	.669964E-09	.411138E+00	-.888757E+00
3						

CYLINDER

$R/\lambda = 1$ $T_e/T_i = 1$ $V/C_i = 8$ $e\phi_s/KT_e = -1$

Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.1250E+01	.0000E+00	.4026600E+00	.5996870E-09	.4025780E+00	-.9096630E+00
.1190E+01	.0000E+00	.3946960E+00	.4336400E-09	.3946830E+00	-.9296400E+00
.1136E+01	.0000E+00	.3872820E+00	.4377490E-09	.3872930E+00	-.9486030E+00
.1087E+01	.0000E+00	.3803690E+00	.3119490E-09	.3803890E+00	-.9666250E+00
.1250E+02	.1250E+02	.9998610E+00	.1000140E+01	-.3316630E-03	-.1393470E-03
.1000E+02	.5000E+01	.9928330E+00	.1000722E+01	-.1342940E-01	-.7193150E-02
.7500E+01	.2500E+01	.9512910E+00	.1051200E+01	-.1009500E+00	-.4993480E-01
.5882E+01	.1471E+01	.8784550E+00	.1138360E+01	-.2601640E+00	-.1295910E+00
.4808E+01	.9615E+00	.7098100E+00	.6661600E+00	.4361320E-01	-.3427590E+00
.4054E+01	.6757E+00	.6269800E+00	.2942020E+00	.3330220E+00	-.4668400E+00
.3500E+01	.5000E+00	.5830290E+00	.9335000E-01	.4898580E+00	-.5395180E+00
.3077E+01	.3846E+00	.5572170E+00	.2305610E-01	.5341310E+00	-.5848000E+00
.2744E+01	.3049E+00	.5376920E+00	.4875010E-02	.5327040E+00	-.6204680E+00
.2475E+01	.2475E+00	.5209290E+00	.9206970E-03	.5196770E+00	-.6521420E+00
.2254E+01	.2049E+00	.5055710E+00	.1585320E-03	.5051010E+00	-.6820670E+00
.2069E+01	.1724E+00	.4911990E+00	.2598940E-04	.4909230E+00	-.7109050E+00
.1912E+01	.1471E+00	.4776530E+00	.4093160E-05	.4775240E+00	-.7388710E+00
.1777E+01	.1269E+00	.4648200E+00	.6194670E-06	.4648090E+00	-.7661050E+00
.1659E+01	.1106E+00	.4527110E+00	.9339300E-07	.4527470E+00	-.7925020E+00
.1556E+01	.9728E-01	.4413190E+00	.1436090E-07	.4413550E+00	-.8179880E+00
.1466E+01	.8621E-01	.4306260E+00	.2399100E-08	.4306840E+00	-.8425150E+00
.1385E+01	.7692E-01	.4206440E+00	.5786340E-09	.4206740E+00	-.8659670E+00
.1312E+01	.6906E-01	.4113810E+00	.3360500E-09	.4113460E+00	-.8882350E+00
.1247E+01	.6234E-01	.4027760E+00	.1711200E-09	.4027720E+00	-.9093740E+00
.1188E+01	.5656E-01	.3947630E+00	.1675030E-09	.3947290E+00	-.9294690E+00
.1134E+01	.5155E-01	.3872970E+00	.1151850E-09	.3872970E+00	-.9485630E+00
.1085E+01	.4717E-01	.3803640E+00	.7550240E-10	.3803700E+00	-.9666270E+00
.5000E+01	.1000E+02	.9997380E+00	.1000026E+01	.4978850E-03	-.2620240E-03
.6250E+01	.6250E+01	.9996070E+00	.1000039E+01	-.2417350E-02	-.3927150E-03
.5769E+01	.3846E+01	.9923060E+00	.1000775E+01	-.1828500E-01	-.7723800E-02
.5000E+01	.2500E+01	.9618190E+00	.1003970E+01	-.8094590E-01	-.3852950E-01
.4310E+01	.1724E+01	.8844570E+00	.1130640E+01	-.2477450E+00	-.1227810E+00
.3750E+01	.1250E+01	.7955110E+00	.1257050E+01	-.4625480E+00	-.2287710E+00
.3302E+01	.9434E+00	.6902190E+00	.6408440E+00	.4923560E-01	-.3707470E+00
.2941E+01	.7353E+00	.6236430E+00	.2422130E+00	.3812950E+00	-.4721770E+00
.2647E+01	.5882E+00	.5779590E+00	.6838430E-01	.5096290E+00	-.5481980E+00
.2404E+01	.4808E+00	.5460250E+00	.1490600E-01	.5310400E+00	-.6050910E+00
.2200E+01	.4000E+00	.5216930E+00	.2705650E-02	.5188410E+00	-.6506770E+00
.2027E+01	.3378E+00	.5018340E+00	.4278090E-03	.5012160E+00	-.6894870E+00
.1879E+01	.2899E+00	.4847600E+00	.6230520E-04	.4845760E+00	-.7241010E+00
.1750E+01	.2500E+00	.4696120E+00	.8873570E-05	.4695300E+00	-.7558480E+00
.1638E+01	.2183E+00	.4559240E+00	.1206480E-05	.4559070E+00	-.7854290E+00
.1538E+01	.1923E+00	.4434660E+00	.1583070E-06	.4434880E+00	-.8131230E+00
.1451E+01	.1706E+00	.4320310E+00	.2113740E-07	.4320740E+00	-.8392570E+00
.1372E+01	.1524E+00	.4215420E+00	.3106480E-08	.4215730E+00	-.8638370E+00
.1301E+01	.1377E+00	.4119080E+00	.6507290E-09	.4119210E+00	-.8869540E+00
.1238E+01	.1238E+00	.4030610E+00	.3477510E-09	.4030430E+00	-.9086670E+00
.1180E+01	.1124E+00	.3948630E+00	.1743800E-09	.3948740E+00	-.9292170E+00
.1127E+01	.1025E+00	.3873030E+00	.1711060E-09	.3873070E+00	-.9485480E+00
.1079E+01	.9381E-01	.3803410E+00	.1172840E-09	.3803270E+00	-.9666860E+00
.2500E+01	.7500E+01	.1000180E+01	.9998200E+00	-.1074570E-02	.1802550E-03
.3846E+01	.5769E+01	.9998860E+00	.1000140E+01	-.2354590E-02	-.1395850E-03
.4167E+01	.4167E+01	.9953800E+00	.1004640E+01	-.8836600E-02	-.4631100E-02
.4000E+01	.3000E+01	.9789660E+00	.1021490E+01	-.4267860E-01	-.2125640E-01
.3676E+01	.2206E+01	.9374230E+00	.1066750E+01	-.1301430E+00	-.6462110E-01
.3333E+01	.1667E+01	.8736320E+00	.1144650E+01	-.2725330E+00	-.1350960E+00
.3017E+01	.1293E+01	.7935500E+00	.1260150E+01	-.4674650E+00	-.2312310E+00
.2740E+01	.1027E+01	.7164450E+00	.1395780E+01	-.6800970E+00	-.3334530E+00
.2500E+01	.8333E+00	.6373320E+00	.3556940E+00	.2814500E+00	-.4504650E+00
.2294E+01	.6881E+00	.5836450E+00	.1067000E+00	.4768490E+00	-.5384630E+00

CYLINDER

$R/\lambda = 1$ $\quad T_e/T_i = 1$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -1$

Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.2115E+01	.5769E+00	.545927E+00	.236580E-01	.522153E+00	-.605270E+00
.1961E+01	.4902E+00	.517778E+00	.424021E-02	.513454E+00	-.658209E+00
.1826E+01	.4213E+00	.495378E+00	.651492E-03	.494762E+00	-.702434E+00
.1707E+01	.3659E+00	.476753E+00	.862468E-04	.476713E+00	-.740756E+00
.1603E+01	.3205E+00	.460801E+00	.111214E-04	.460743E+00	-.774788E+00
.1509E+01	.2830E+00	.446725E+00	.138756E-05	.446727E+00	-.805813E+00
.1426E+01	.2517E+00	.434172E+00	.167448E-06	.434179E+00	-.834312E+00
.1351E+01	.2252E+00	.422902E+00	.204141E-07	.422900E+00	-.860614E+00
.1284E+01	.2027E+00	.412716E+00	.281378E-08	.412696E+00	-.884995E+00
.1222E+01	.1834E+00	.403433E+00	.597373E-09	.403456E+00	-.907745E+00
.1167E+01	.1667E+00	.394964E+00	.343012E-09	.394985E+00	-.928960E+00
.1116E+01	.1521E+00	.387236E+00	.175817E-09	.387262E+00	-.948722E+00
.1069E+01	.1394E+00	.380223E+00	.173451E-09	.380218E+00	-.966996E+00
.1471E+01	.5882E+01	.999193E+00	.100081E+01	-.153951E-02	-.807724E-03
.2500E+01	.5000E+01	.998616E+00	.100139E+01	-.443222E-02	-.139097E-02
.3000E+01	.4000E+01	.994335E+00	.100570E+01	-.127866E-01	-.568093E-02
.3125E+01	.3125E+01	.981100E+00	.101926E+01	-.386461E-01	-.190812E-01
.3049E+01	.2439E+01	.952038E+00	.105038E+01	-.989110E-01	-.491505E-01
.2885E+01	.1923E+01	.904482E+00	.110560E+01	-.201397E+00	-.100393E+00
.2692E+01	.1538E+01	.841585E+00	.118823E+01	-.347266E+00	-.172468E+00
.2500E+01	.1250E+01	.771295E+00	.129652E+01	-.525878E+00	-.259685E+00
.2320E+01	.1031E+01	.697676E+00	.143333E+01	-.736423E+00	-.360000E+00
.2155E+01	.8621E+00	.626383E+00	.378064E+00	.248138E+00	-.467793E+00
.2007E+01	.7299E+00	.574463E+00	.118812E+00	.455547E+00	-.559432E+00
.1875E+01	.6250E+00	.536786E+00	.251258E-01	.511588E+00	-.622156E+00
.1757E+01	.5405E+00	.508172E+00	.422374E-02	.503975E+00	-.676934E+00
.1651E+01	.4717E+00	.485425E+00	.598378E-03	.484854E+00	-.722730E+00
.1556E+01	.4149E+00	.466636E+00	.745616E-04	.466615E+00	-.762206E+00
.1471E+01	.3676E+00	.450625E+00	.899002E-05	.450651E+00	-.797126E+00
.1393E+01	.3279E+00	.436743E+00	.103218E-05	.436713E+00	-.828410E+00
.1324E+01	.2941E+00	.424493E+00	.115854E-06	.424486E+00	-.856861E+00
.1260E+01	.2653E+00	.413597E+00	.133065E-07	.413571E+00	-.882862E+00
.1202E+01	.2404E+00	.403795E+00	.186543E-08	.403809E+00	-.906847E+00
.1149E+01	.2188E+00	.394554E+00	.475601E-09	.394995E+00	-.928987E+00
.1100E+01	.2000E+00	.387036E+00	.329127E-09	.387032E+00	-.949239E+00
.1055E+01	.1835E+00	.379922E+00	.174902E-09	.379926E+00	-.967789E+00
.9615E+00	.4808E+01	.996921E+00	.100309E+01	-.741856E-02	-.308373E-02
.1724E+01	.4310E+01	.995125E+00	.100490E+01	-.103666E-01	-.486653E-02
.2206E+01	.3676E+01	.989495E+00	.101062E+01	-.212824E-01	-.105659E-01
.2439E+01	.3049E+01	.976501E+00	.102406E+01	-.476052E-01	-.237793E-01
.2500E+01	.2500E+01	.952016E+00	.105040E+01	-.991056E-01	-.491730E-01
.2459E+01	.2049E+01	.913126E+00	.109514E+01	-.182854E+00	-.908815E-01
.2365E+01	.1689E+01	.860826E+00	.116168E+01	-.301388E+00	-.149863E+00
.2247E+01	.1404E+01	.799259E+00	.125116E+01	-.452443E+00	-.224070E+00
.2123E+01	.1179E+01	.732659E+00	.136489E+01	-.632706E+00	-.311075E+00
.2000E+01	.1000E+01	.665687E+00	.150221E+01	-.837050E+00	-.406935E+00
.1884E+01	.8562E+00	.602320E+00	.328730E+00	.273526E+00	-.506966E+00
.1779E+01	.7396E+00	.556014E+00	.923871E-01	.463630E+00	-.586962E+00
.1675E+01	.6443E+00	.521415E+00	.180367E-01	.503352E+00	-.651209E+00
.1584E+01	.5656E+00	.494488E+00	.280025E-02	.491723E+00	-.704232E+00
.1500E+01	.5000E+00	.472744E+00	.369851E-03	.472458E+00	-.749201E+00
.1423E+01	.4448E+00	.454686E+00	.437056E-04	.454656E+00	-.788162E+00
.1354E+01	.3981E+00	.439333E+00	.491809E-05	.439326E+00	-.822497E+00
.1289E+01	.3582E+00	.426015E+00	.537822E-06	.426029E+00	-.853280E+00
.1231E+01	.3238E+00	.414334E+00	.581881E-07	.414327E+00	-.881083E+00
.1176E+01	.2941E+00	.403956E+00	.678384E-08	.403988E+00	-.906449E+00
.1127E+01	.2682E+00	.394753E+00	.111436E-08	.394725E+00	-.929495E+00
.1081E+01	.2456E+00	.386551E+00	.387552E-09	.386537E+00	-.950491E+00
.1038E+01	.2256E+00	.379273E+00	.182547E-09	.379278E+00	-.969498E+00
.6757E+00	.4054E+01	.991058E+00	.100902E+01	-.200192E-01	-.898177E-02

CYLINDER

$R/\lambda = 1$ $T_e/T_i = 1$ $V/C_i = 8$ $e\phi_s/KT_e = -1$

Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.1250E+01	.3750E+01	.988219E+00	.101192E+01	-.248320E-01	-.118505E-01
.1667E+01	.3333E+01	.980849E+00	.101952E+01	-.389820E-01	-.193367E-01
.1923E+01	.2885E+01	.967038E+00	.103409E+01	-.673455E-01	-.335178E-01
.2049E+01	.2459E+01	.943717E+00	.105964E+01	-.115628E+00	-.579285E-01
.2083E+01	.2083E+01	.909375E+00	.109966E+01	-.190708E+00	-.949972E-01
.2059E+01	.1765E+01	.863884E+00	.115756E+01	-.294264E+00	-.146317E+00
.2000E+01	.1500E+01	.809535E+00	.123528E+01	-.426322E+00	-.211296E+00
.1923E+01	.1282E+01	.749471E+00	.133426E+01	-.585310E+00	-.288388E+00
.1838E+01	.1103E+01	.686972E+00	.145566E+01	-.769214E+00	-.375461E+00
.1752E+01	.9554E+00	.623858E+00	.159835E+01	-.249311E-01	-.471769E+00
.1667E+01	.8333E+00	.572776E+00	.226759E+00	.345945E+00	-.557261E+00
.1585E+01	.7317E+00	.533367E+00	.560090E-01	.477377E+00	-.628546E+00
.1509E+01	.6466E+00	.502783E+00	.990106E-02	.492906E+00	-.687598E+00
.1437E+01	.5747E+00	.478376E+00	.140756E-02	.477062E+00	-.737371E+00
.1370E+01	.5137E+00	.458336E+00	.172609E-03	.458226E+00	-.780152E+00
.1308E+01	.4615E+00	.441560E+00	.191591E-04	.441563E+00	-.817442E+00
.1250E+01	.4167E+00	.427191E+00	.202825E-05	.427224E+00	-.850524E+00
.1196E+01	.3778E+00	.414734E+00	.211275E-06	.414754E+00	-.880118E+00
.1147E+01	.3440E+00	.403822E+00	.221540E-07	.403820E+00	-.906781E+00
.1101E+01	.3145E+00	.394189E+00	.267776E-08	.394175E+00	-.930924E+00
.1058E+01	.2885E+00	.385622E+00	.559331E-09	.385630E+00	-.952897E+00
.1018E+01	.2655E+00	.378045E+00	.341737E-09	.378044E+00	-.972741E+00
.5000E+00	.3500E+01	.979773E+00	.102064E+01	-.415156E-01	-.204347E-01
.9434E+00	.3302E+01	.976014E+00	.102458E+01	-.490116E-01	.242785E-02
.1293E+01	.3017E+01	.967456E+00	.103360E+01	-.670388E-01	-.330441E-01
.1538E+01	.2692E+01	.952704E+00	.104964E+01	-.979784E-01	-.484511E-01
.1689E+01	.2365E+01	.929706E+00	.107561E+01	-.146132E+00	-.728865E-01
.1765E+01	.2059E+01	.897693E+00	.111397E+01	-.216248E+00	-.107927E+00
.1786E+01	.1786E+01	.856698E+00	.116727E+01	-.310776E+00	-.154669E+00
.1770E+01	.1549E+01	.808022E+00	.123759E+01	-.429829E+00	-.213166E+00
.1731E+01	.1346E+01	.753917E+00	.132641E+01	-.572791E+00	-.282473E+00
.1678E+01	.1174E+01	.696955E+00	.143482E+01	-.738041E+00	-.361041E+00
.1618E+01	.1029E+01	.639710E+00	.156321E+01	-.923616E+00	-.446740E+00
.1554E+01	.9067E+00	.585561E+00	.425445E+00	.160095E+00	-.535185E+00
.1491E+01	.8028E+00	.542832E+00	.128865E+00	.413942E+00	-.610956E+00
.1429E+01	.7143E+00	.509377E+00	.265298E-01	.482874E+00	-.674567E+00
.1369E+01	.6387E+00	.482763E+00	.408721E-02	.478716E+00	-.728229E+00
.1311E+01	.5738E+00	.461085E+00	.518591E-03	.460607E+00	-.774165E+00
.1257E+01	.5178E+00	.443057E+00	.580512E-04	.443034E+00	-.814056E+00
.1206E+01	.4692E+00	.427777E+00	.614098E-05	.427754E+00	-.849170E+00
.1159E+01	.4268E+00	.414643E+00	.631697E-06	.414638E+00	-.880337E+00
.1114E+01	.3898E+00	.403195E+00	.638617E-07	.403218E+00	-.908325E+00
.1071E+01	.3571E+00	.393151E+00	.694577E-08	.393165E+00	-.933562E+00
.1032E+01	.3283E+00	.384226E+00	.109526E-08	.384235E+00	-.956525E+00
.9948E+00	.3028E+00	.376099E+00	.386639E-09	.376094E+00	-.977902E+00
.3846E+00	.3077E+01	.962978E+00	.103844E+01	-.754573E-01	-.377244E-01
.7353E+00	.2941E+01	.958386E+00	.104343E+01	-.851553E-01	-.425113E-01
.1027E+01	.2740E+01	.948702E+00	.105407E+01	-.105617E+00	-.526603E-01
.1250E+01	.2500E+01	.933165E+00	.107162E+01	-.139256E+00	-.691685E-01
.1404E+01	.2247E+01	.910545E+00	.109824E+01	-.188517E+00	-.937119E-01
.1500E+01	.2000E+01	.880204E+00	.113610E+01	-.256178E+00	-.1276C1E+00
.1549E+01	.1770E+01	.842483E+00	.118697E+01	-.344755E+00	-.1714C1E+00
.1563E+01	.1563E+01	.798269E+00	.125271E+01	-.454459E+00	-.225309E+00
.1552E+01	.1379E+01	.749248E+00	.133467E+01	-.585354E+00	-.288685E+00
.1524E+01	.1220E+01	.697371E+00	.143396E+01	-.736404E+00	-.360438E+00
.1486E+01	.1081E+01	.644719E+00	.155106E+01	-.906479E+00	-.438941E+00
.1442E+01	.9615E+00	.592638E+00	.620778E+00	-.281004E-01	-.523171E+00
.1395E+01	.8584E+00	.548733E+00	.233430E+00	.315263E+00	-.600144E+00
.1346E+01	.7692E+00	.513544E+00	.555480E-01	.457981E+00	-.666419E+00
.1298E+01	.6920E+00	.485389E+00	.947174E-02	.475939E+00	-.722805E+00

CYLINDER

$R/\lambda = 1$ $\quad T_e/T_i = 1$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -1$

Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.1250E+01	.625CE+00	.4625C1E+0C	.126E73E-02	.461252E+CC	-.7711C7E+00
.1204E+01	.5e66E+00	.443536E+00	.145E59E-C3	.4434CCE+CC	-.812977E+00
.1160E+01	.5155E+0C	.427523E+0C	.153288E-04	.427526E+CC	-.849748E+00
.1118E+01	.47C6E+0C	.413829E+0C	.154748E-C5	.413847E+CC	-.8823C4E+00
.1078E+01	.431CE+0C	.401963E+0C	.1535E7E-C6	.401991E+CC	-.911396E+00
.1040E+01	.396CE+0C	.391614E+0C	.154916E-C7	.391641E+CC	-.937478E+00
.10C4E+01	.365CE+0C	.382578E+CC	.152742E-08	.382573E+CC	-.960822E+00
.9696E+00	.3373E+0C	.374686E+CC	.472579E-C9	.3746E7E+CC	-.981667E+00
.3049E+00	.2744E+C1	.9406C1E+0C	.1C6315E+C1	-.121744E+CC	-.612363E-01
.5882E+00	.2647E+01	.935455E+CC	.1C69C0E+C1	-.133811E+CC	-.667223E-01
.8333E+00	.25C0E+01	.9249SCE+0C	.1C81C9E+C1	-.156367E+CC	-.779719E-01
.1031E+01	.2320E+01	.9088S4E+0C	.11C024E+01	-.191723E+CC	-.955273E-01
.1179E+01	.2123E+01	.886677E+CC	.112781E+01	-.241816E+CC	-.120274E+00
.1282E+01	.1923E+01	.857875E+0C	.116567E+01	-.308169E+CC	-.153297E+00
.1346E+01	.1731E+01	.8229C3E+0C	.121521E+01	-.392684E+CC	-.194917E+00
.1379E+01	.1552E+01	.782478E+CC	.127799E+01	-.495753E+C0	-.245290E+00
.1389E+01	.1389E+01	.737834E+0C	.135532E+C1	-.617298E+CC	-.304036E+00
.1381E+01	.1243E+C1	.69066SE+0C	.144787E+01	-.756973E+C0	-.37C094E+00
.1361E+01	.1114E+01	.64262CE+0C	.155613E+C1	-.913375E+CC	-.442201E+00
.1333E+01	.10CCE+01	.595242E+CC	.167999E+C1	-.1C843SE+C1	-.518788E+00
.1300E+01	.900CE+00	.55070BE+CC	.353682E+C0	.197055E+CC	-.596551E+00
.1264E+01	.8123E+00	.514775E+CC	.954133E-C1	.419362E+CC	-.664025E+00
.1225E+01	.7353E+00	.48586SE+0C	.1774C8E-01	.4681C3E+CC	-.721824E+00
.1187E+01	.6677E+00	.462297E+CC	.249C62E-C2	.459777E+CC	-.771547E+00
.1149E+01	.6081E+00	.442728E+00	.256E56E-C3	.442442E+CC	-.814799E+00
.1111E+01	.5556E+0C	.426244E+CC	.315159E-C4	.426214E+CC	-.852744E+00
.1075E+01	.509CE+00	.412144E+CC	.3162C2E-C5	.412175E+CC	-.886383E+00
.1040E+01	.4678E+0C	.399982E+CC	.31C151E-C6	.400014E+CC	-.916336E+00
.1006E+01	.431CE+0C	.38943CE+CC	.3C39C9E-C7	.389444E+CC	-.943071E+00
.9735E+00	.3982E+CC	.380272E+CC	.332924E-C8	.380278E+CC	-.966870E+00
.9426E+00	.3689E+00	.372575E+CC	.6C9233E-C9	.372592E+CC	-.9873C6E+00
.2475E+00	.2475E+01	.913448E+CC	.1C9475E+C1	-.180571E+CC	-.905292E-01
.48C8E+00	.24C4E+01	.907571E+0C	.11C184E+C1	-.193976E+CC	-.969832E-01
.6881E+00	.2294E+01	.896658E+CC	.111525E+01	-.218591E+CC	-.109081E+00
.8621E+00	.2155E+01	.880493E+0C	.113573E+C1	-.255SC5E+CC	-.127273E+00
.1000E+01	.2000E+01	.858867E+0C	.116433E+01	-.306005E+CC	-.152142E+00
.1103E+01	.1838E+01	.83161CE+CC	.12C249E+01	-.371298E+CC	-.184392E+00
.1174E+01	.1678E+01	.7991C5E+0C	.125140E+C1	-.452592E+CC	-.224264E+00
.1220E+01	.1524E+01	.762017E+0C	.131231E+01	-.550575E+CC	-.271787E+00
.1243E+01	.1381E+01	.721379E+0C	.138623E+C1	-.665147E+CC	-.326591E+00
.1250E+01	.125CE+01	.6783SEE+0C	.147406E+C1	-.795648E+CC	-.38802CE+00
.1244E+01	.1131E+01	.634466E+0C	.157613E+01	-.941781E+C0	-.454971E+00
.1230E+01	.1025E+01	.590686E+CC	.165295E+C1	-.1102C5E+C1	-.526470E+00
.12C8E+01	.9294E+00	.548174E+CC	.464281E+C0	.838825E-C1	-.601163E+00
.1182E+01	.8446E+00	.512835E+CC	.139611E+00	.3732C1E+CC	-.667802E+00
.1154E+01	.7692E+00	.483995E+CC	.278541E-C1	.456080E+CC	-.725692E+00
.1124E+01	.7022E+0C	.4603C2E+00	.415663E-02	.456057E+CC	-.775873E+00
.1093E+01	.6427E+CC	.440515E+0C	.5C1639E-03	.4399E7E+CC	-.8198C1E+00
.1061E+01	.589CE+CC	.423808E+0C	.538223E-04	.42374CE+CC	-.858475E+00
.1030E+01	.5423E+0C	.409511E+CC	.54C266E-05	.409525E+CC	-.892791E+00
.1000E+01	.500CE+00	.397205E+CC	.5248C0E-06	.3972C4E+CC	-.923302E+00
.97C4E+00	.4621E+00	.386486E+00	.5C4812E-07	.386485E+CC	-.95066CE+00
.9418E+00	.4281E+0C	.376972E+CC	.539642E-08	.376990E+CC	-.975584E+00
.9141E+00	.3975E+0C	.367879E+CC	.1CCCCCE+01	.CCOOCCE+CC	-.100000E+01
.2049E+00	.2254E+01	.882192E+0C	.113354E+01	-.251115E+CC	-.125345E+00
.4CCCE+00	.220CE+01	.875715E+0C	.114192E+C1	-.265858E+CC	-.132715E+C0
.5769E+00	.2115E+01	.864572E+CC	.115664E+01	-.291938E+CC	-.14552CE+00
.7299E+00	.2007E+01	.848638E+CC	.117836E+01	-.329829E+CC	-.164123E+00
.8562E+00	.1884E+01	.827849E+0C	.12C795E+01	-.38C516E+CC	-.188924E+00
.9554E+00	.1752E+C1	.8022ZBE+0C	.124653E+C1	-.444846E+C0	-.220362E+00

CYLINDER

$R/\lambda = 1$ $\quad T_e/T_i = 1$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -1$

Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$	
.1029E+01	.1618E+01	.772027E+00	.129529E+01	-.523425E+00	-.258736E+00	
.1081E+01	.1486E+01	.737954E+00	.135503E+01	-.617196E+00	-.303820E+00	
.1114E+01	.1361E+01	.700999E+00	.142653E+01	-.725983E+00	-.355248E+00	
.1131E+01	.1244E+01	.661846E+00	.151093E+01	-.849231E+00	-.412723E+00	
.1136E+01	.1136E+01	.621688E+00	.160852E+01	-.987055E+00	-.475317E+00	
.1132E+01	.1038E+01	.581362E+00	.172010E+01	-.113872E+01	-.542381E+00	
.1121E+01	.9483E+00	.541705E+00	.573866E+00	-.32194CE-01	-.613034E+00	
.1104E+01	.8675E+00	.507814E+00	.179194E+00	.328627E+00	-.677640E+00	
.1084E+01	.7948E+00	.479685E+00	.373533E-01	.442353E+00	-.734618E+00	
.1061E+01	.7294E+00	.456354E+00	.578622E-02	.450574E+00	-.784486E+00	
.1037E+01	.6707E+00	.436743E+00	.717645E-03	.436060E+00	-.828410E+00	
.1011E+01	.6180E+00	.420120E+00	.772819E-04	.420051E+00	-.867214E+00	
.9855E+00	.5705E+00	.405888E+00	.773837E-05	.405865E+00	-.901679E+00	
.9597E+00	.5278E+00	.393585E+00	.750622E-06	.393596E+00	-.932448E+00	
.9342E+00	.4893E+00	.382915E+00	.714781E-07	.382928E+00	-.959942E+00	
.9091E+00	.4545E+00	.373795E+00	.730120E-08	.373801E+00	-.984049E+00	
.8846E+00	.4231E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01	
.1724E+00	.2069E+01	.847501E+00	.117994E+01	-.332324E+00	-.165463E+00	
.3378E+00	.2027E+01	.840672E+00	.118992E+01	-.348029E+00	-.173553E+00	
.4902E+00	.1961E+01	.829547E+00	.120548E+01	-.375762E+00	-.186876E+00	
.6250E+00	.1875E+01	.814066E+00	.122840E+01	-.414196E+00	-.205712E+00	
.7396E+00	.1775E+01	.794282E+00	.125900E+01	-.464717E+00	-.230317E+00	
.8333E+00	.1667E+01	.770364E+00	.129800E+01	-.528088E+00	-.260892E+00	
.9067E+00	.1554E+01	.742537E+00	.134673E+01	-.604598E+00	-.297683E+00	
.9615E+00	.1442E+01	.711431E+00	.140562E+01	-.694676E+00	-.340477E+00	
.1000E+01	.1333E+01	.677729E+00	.147552E+01	-.798374E+00	-.389008E+00	
.1025E+01	.1230E+01	.642160E+00	.155724E+01	-.915699E+00	-.442917E+00	
.1038E+01	.1132E+01	.605530E+00	.165145E+01	-.104649E+01	-.501652E+00	
.1042E+01	.1042E+01	.568543E+00	.175888E+01	-.119054E+01	-.564678E+00	
.1038E+01	.9585E+00	.531908E+00	.640092E+00	-.108200E+01	-.631285E+00	
.1029E+01	.8824E+00	.499573E+00	.202912E+00	.297125E+00	-.693201E+00	
.1016E+01	.8130E+00	.473099E+00	.437682E-01	.429406E+00	-.748450E+00	
.1000E+01	.7500E+00	.450566E+00	.685925E-02	.443766E+00	-.797252E+00	
.9815E+00	.6928E+00	.431510E+00	.859817E-03	.430680E+00	-.840466E+00	
.9615E+00	.6410E+00	.415242E+00	.933103E-04	.415147E+00	-.878895E+00	
.9406E+00	.5941E+00	.401225E+00	.934711E-05	.401207E+00	-.913233E+00	
.9191E+00	.5515E+00	.389070E+00	.903735E-06	.389083E+00	-.943997E+00	
.8974E+00	.5128E+00	.378414E+00	.860358E-07	.378397E+00	-.971767E+00	
.8758E+00	.4777E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01	
.8544E+00	.4458E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01	
.1471E+00	.1912E+01	.810228E+00	.123422E+01	-.423871E+00	-.210440E+00	
.2890E+00	.1879E+01	.803232E+00	.124497E+01	-.441506E+00	-.219112E+00	
.4213E+00	.1826E+01	.792365E+00	.126204E+01	-.469555E+00	-.232733E+00	
.5405E+00	.1757E+01	.777611E+00	.128599E+01	-.508377E+00	-.251529E+00	
.6443E+00	.1675E+01	.759006E+00	.131751E+01	-.558488E+00	-.275745E+00	
.7317E+00	.1585E+01	.736788E+00	.135724E+01	-.620556E+00	-.305454E+00	
.8028E+00	.1491E+01	.711317E+00	.140584E+01	-.695034E+00	-.340637E+00	
.8584E+00	.1395E+01	.682982E+00	.146417E+01	-.781788E+00	-.381286E+00	
.9000E+00	.1300E+01	.652373E+00	.153287E+01	-.881164E+00	-.427139E+00	
.9294E+00	.1208E+01	.620056E+00	.161276E+01	-.993135E+00	-.477946E+00	
.9483E+00	.1121E+01	.586713E+00	.170441E+01	-.111804E+01	-.533220E+00	
.9585E+00	.1038E+01	.552942E+00	.180851E+01	-.125555E+01	-.592503E+00	
.9615E+00	.9615E+00	.519343E+00	.654154E+00	-.134763E+01	-.655195E+00	
.9589E+00	.8904E+00	.489748E+00	.207561E+00	.282221E+00	-.713864E+00	
.9518E+00	.8249E+00	.464566E+00	.446745E-01	.419911E+00	-.766652E+00	
.9412E+00	.7647E+00	.443217E+00	.700160E-02	.436211E+00	-.813696E+00	
.9279E+00	.7096E+00	.424969E+00	.876044E-03	.424091E+00	-.855739E+00	
.9128E+00	.6592E+00	.409222E+00	.948960E-04	.409140E+00	-.893498E+00	
.8962E+00	.6132E+00	.395562E+00	.951260E-05	.395551E+00	-.927449E+00	
.8787E+00	.5712E+00	.383815E+00	.918859E-06	.383809E+00	-.957595E+00	

CYLINDER

$R/\lambda = 1$ $\quad T_e/T_i = 1$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -1$

Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.86C7E+00	.5328E+0C	.374381E+CC	.867254E-C7	.37436EE+CC	-.582482E+00
.8423E+00	.4977E+00	.367879E+CC	.1CCCCCE+01	.CCCCCCE+CC	-.100000E+01
.8238E+00	.4656E+C0	.367879E+CC	.1CCCCCE+C1	.CCCCCCE+CC	-.100000E+01
.1269E+00	.1777E+01	.771195E+CC	.129670E+01	-.525357E+CC	-.259820E+00
.25CCE+00	.1750E+01	.764236E+CC	.13C851E+01	-.5441C3E+CC	-.268886E+00
.3659E+00	.1707E+01	.753795E+0C	.132661E+C1	-.572697E+CC	-.282630E+00
.4717E+00	.1651E+01	.739506E+0C	.135152E+C1	-.611581E+CC	-.301232E+00
.5656E+00	.1584E+01	.722666E+CC	.138378E+01	-.661273E+C0	-.324817E+00
.6466E+00	.1505E+01	.702225E+CC	.142404E+01	-.722C7E+CC	-.353495E+00
.7143E+00	.1425E+01	.678975E+CC	.147280E+01	-.794342E+CC	-.387165E+00
.7692E+00	.1346E+01	.653255E+CC	.153C8CE+C1	-.878181E+CC	-.425788E+00
.8123E+00	.1264E+01	.625525E+CC	.159666E+01	-.973827E+CC	-.469165E+00
.8446E+C0	.1182E+01	.596187E+CC	.167733E+01	-.108132E+C1	-.517201E+00
.8675E+00	.11C4E+01	.565913E+0C	.1767C6E+01	-.120125E+C1	-.569315E+00
.8824E+00	.1C29E+01	.535229E+0C	.186836E+C1	-.1333CCE+C1	-.625061E+00
.89C4E+00	.9589E+00	.504664E+0C	.6167S9E+C0	-.112095E+CC	-.683862E+00
.8929E+00	.8929E+00	.477634E+0C	.191434E+00	.2861E7E+CC	-.738S1CE+00
.89C7E+00	.8314E+0C	.454381E+0C	.3986C5E-C1	.414518E+CC	-.788819E+00
.8850E+00	.7743E+00	.434432E+CC	.6128C4E-C2	.428335E+CC	-.833717E+00
.8763E+00	.7216E+0C	.417216E+0C	.757652E-C3	.4164S1E+C0	-.874151E+00
.8654E+00	.6731E+00	.402178E+0C	.8155C6E-04	.402121E+CC	-.910861E+00
.8528E+00	.6284E+0C	.388843E+0C	.818025E-05	.388834E+CC	-.944580E+00
.8389E+00	.5872E+00	.376922E+0C	.796147E-06	.376928E+CC	-.975717E+00
.8242E+00	.5495E+0C	.367879E+CC	.1CCCCCE+C1	.CCCCCCE+CC	-.100000E+01
.8088E+00	.5147E+00	.367879E+CC	.1CCCCCE+C1	.CCCCCCE+CC	-.100000E+01
.7931E+00	.4828E+00	.367879E+CC	.1CCCCCE+01	.CCCCCCE+C0	-.100000E+01
.11C6E+00	.1659E+01	.731129E+CC	.136775E+C1	-.636611E+CC	-.313165E+00
.2183E+00	.1638E+01	.724366E+0C	.138C53E+C1	-.656015E+CC	-.322467E+00
.32C5E+00	.1603E+01	.714525E+CC	.139952E+C1	-.684933E+CC	-.336132E+00
.4149E+00	.1556E+01	.701617E+0C	.142528E+C1	-.723631E+CC	-.354368E+00
.5CCCE+00	.1500E+01	.685757E+CC	.145824E+01	-.772554E+CC	-.377232E+00
.5747E+00	.1437E+01	.667140E+0C	.149894E+C1	-.832121E+CC	-.404756E+00
.6387E+00	.1369E+01	.646031E+0C	.154791E+01	-.902404E+C0	-.436908E+00
.6920E+00	.1298E+01	.622728E+0C	.16C584E+01	-.98359CE+CC	-.473645E+00
.7353E+00	.1225E+01	.5976C7E+CC	.167334E+01	-.1C7599E+C1	-.514822E+00
.7692E+00	.1154E+01	.571C38E+0C	.175120E+01	-.11799CE+C1	-.5603C0E+00
.7948E+00	.1C84E+01	.543652E+CC	.183941E+01	-.12956CE+C1	-.609447E+00
.8130E+00	.1016E+01	.515971E+00	.1938C9E+C1	-.142223E+C1	-.661705E+00
.8249E+00	.9518E+00	.4884C7E+0C	.523830E+00	-.354481E-C1	-.716606E+00
.8314E+00	.89C7E+00	.463981E+0C	.155384E+C0	.308567E+CC	-.767911E+00
.8333E+00	.8333E+00	.442781E+CC	.3C8276E-C1	.411981E+C0	-.814680E+00
.8316E+00	.7796E+00	.424478E+CC	.456759E-C2	.419935E+CC	-.856894E+00
.8268E+00	.7296E+00	.408561E+0C	.552489E-C3	.408012E+CC	-.895114E+00
.8197E+00	.6831E+00	.394484E+0C	.589547E-04	.394427E+CC	-.930176E+00
.81C6E+00	.6399E+00	.381555E+CC	.592071E-05	.381538E+CC	-.963512E+00
.8CC0E+00	.6C0CE+00	.367879E+CC	.1CCCC0E+01	.CCCCCCE+CC	-.100000E+01
.7883E+00	.5631E+00	.367879E+CC	.1CCCC0E+01	.CCCCCCE+C0	-.100000E+01
.7757E+00	.5289E+00	.367879E+CC	.1CCCC0E+01	.CCCCCCE+CC	-.100000E+01
.7626E+00	.4973E+00	.367879E+CC	.1CCCCCE+01	.CCCCCCE+CC	-.100000E+01
.9728E-01	.1556E+01	.690704E+0C	.1447E0E+C1	-.757388E+CC	-.370044E+00
.1923E+00	.1536E+01	.684236E+CC	.146150E+01	-.777142E+CC	-.379461E+00
.283CE+00	.15C9E+01	.675C86E+C0	.148129E+01	-.806055E+CC	-.392915E+00
.3676E+00	.1471E+01	.663295E+CC	.15C764E+01	-.844481E+C0	-.410543E+C0
.4448E+00	.1423E+01	.648838E+CC	.154122E+C1	-.89248CE+CC	-.432572E+00
.5137E+00	.1370E+01	.631962E+0C	.158237E+01	-.950685E+CC	-.458926E+00
.5738E+00	.1311E+01	.612877E+0C	.163165E+C1	-.1C192CE+C1	-.489590E+00
.6250E+00	.1250E+C1	.591819E+0C	.168971E+01	-.1C982CE+C1	-.524555E+00
.6677E+00	.1187E+01	.569102E+0C	.175715E+01	-.1188CCE+C1	-.563695E+00
.7022E+00	.1124E+01	.545122E+0C	.183445E+01	-.128853E+C1	-.606745E+00
.7294E+00	.1061E+01	.520459E+CC	.192138E+01	-.140058E+C1	-.653045E+00

CYLINDER

$R/\lambda = 1$ $\quad T_e/T_i = 1$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -1$

Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.75C0E+00	.10CCE+01	.495553E+CC	.2C1755E+C1	-.152284E+C1	-.7C2C82E+00
.7647E+00	.9412E+0C	.470917E+0C	.42C679E+00	.5C2166E-C1	-.753074E+00
.7743E+00	.885CE+00	.449075E+CC	.11C751E+C0	.338327E+CC	-.800566E+00
.7756E+00	.8316E+0C	.430083E+CC	.2C3860E-01	.4C97CCE+C0	-.842777E+00
.7813E+00	.7813E+C0	.413621E+CC	.286831E-02	.41073SE+CC	-.8828C6E+00
.7798E+00	.7339E+0C	.399204E+CC	.337131E-C3	.398876E+CC	-.918282E+00
.7759E+00	.6857E+00	.386587E+CC	.355282E-C4	.386561E+C0	-.9503S9E+00
.7659E+00	.6483E+0C	.375824E+CC	.3528?8E-C5	.375822E+CC	-.978634E+00
.7622E+00	.6C98E+00	.367879E+CC	.1CCCCCE+01	.CCCCCCE+CC	-.1CCCCCE+01
.7532E+00	.5739E+CC	.367879E+0C	.1CCCCCE+01	.CCCCCCE+CC	-.1CCCCCE+01
.7432E+00	.5405E+00	.367879E+CC	.1CCCCCE+01	.CCCCCCE+CC	-.1CCCCCE+01
.7325E+00	.5C96E+00	.367879E+CC	.1CCCCCE+01	.CCCCCCE+CC	-.1CCCCCE+01
.8621E-01	.1466E+01	.65033CE+CC	.153765E+01	-.887525E+CC	-.430275E+00
.17C6E+00	.1451E+01	.644397E+0C	.155184E+C1	-.9C7726E+CC	-.439440E+00
.2517E+00	.1426E+01	.636C41E+0C	.157222E+01	-.936227E+CC	-.452492E+00
.3279E+00	.1393E+01	.625317E+CC	.159519E+01	-.973913E+CC	-.469496E+00
.3981E+00	.1354E+01	.612274E+0C	.163326E+01	-.1021C6E+C1	-.490575E+00
.4615E+00	.13C6E+01	.597047E+CC	.167491E+C1	-.107791E+C1	-.515760E+00
.5176E+00	.1257E+01	.579829E+0C	.172462E+C1	-.114482E+C1	-.545005E+00
.5666E+00	.1204E+01	.560862E+0C	.178297E+01	-.1222C5E+C1	-.578028E+00
.6081E+00	.1149E+01	.540431E+0C	.185C38E+01	-.13C975E+C1	-.615389E+00
.6427E+00	.1093E+01	.51888EE+CC	.192720E+01	-.1408C9E+C1	-.656067E+00
.67C7E+00	.1037E+01	.496681E+CC	.2C1337E+C1	-.1517CCE+C1	-.699808E+00
.6928E+00	.9815E+00	.473952E+CC	.835231E+C0	-.361314E+CC	-.746649E+00
.7056E+00	.9279E+00	.45247CE+CC	.289823E+00	.162673E+C0	-.793035E+00
.7216E+00	.8763E+00	.433279E+0C	.673265E-01	.365932E+CC	-.836374E+00
.7256E+00	.8268E+0C	.416509E+0C	.112749E-C1	.4C521CE+CC	-.875856E+00
.7339E+00	.7798E+0C	.401965E+0C	.149710E-02	.400476E+C0	-.9113S0E+00
.7353E+00	.7353E+CC	.389088E+CC	.17C918E-C3	.388914E+CC	-.943950E+00
.7341E+00	.6933E+00	.377667E+0C	.179C59E-C4	.377647E+CC	-.973742E+00
.73C8E+00	.6538E+00	.367879E+CC	.1CCCCCE+01	.CCCCCCE+CC	-.1CCCCCE+01
.7257E+00	.6168E+00	.367879E+CC	.1CCCCCE+C1	.CCCCCCE+CC	-.1CCCCCE+01
.7192E+00	.5822E+00	.367879E+CC	.1CCCCCE+C1	.CCCCCCE+CC	-.1CCCCCE+01
.7115E+00	.5498E+0C	.367879E+CC	.1CCCCCE+01	.CCCCCCE+CC	-.1CCCCCE+01
.7029E+00	.5196E+00	.367879E+CC	.1CCCCCE+C1	.CCCCCCE+CC	-.1CCCCCE+01
.7692E-01	.1385E+C1	.610525E+0C	.163754E+01	-.10275CE+C1	-.493437E+00
.1524E+00	.1372E+01	.605189E+0C	.165238E+C1	-.1C4749E+C1	-.502215E+00
.2252E+00	.1351E+01	.597679E+0C	.167314E+01	-.1C755CE+C1	-.514702E+00
.2941E+00	.1324E+01	.588064E+0C	.17CC5CE+C1	-.111243E+C1	-.530920E+00
.3582E+00	.1289E+01	.576366E+CC	.1735COE+C1	-.115858E+C1	-.5510C8E+00
.4167E+00	.125CE+01	.562711E+0C	.177711E+01	-.121426E+C1	-.574985E+00
.4692E+00	.1206E+01	.54725CE+CC	.182732E+01	-.127975E+C1	-.6C2849E+00
.5155E+00	.116CE+01	.530257E+CC	.1885E8E+C1	-.135544E+C1	-.634394E+00
.5556E+C0	.1111E+01	.512009E+0C	.1953C9E+01	-.144122E+C1	-.669413E+00
.5896E+00	.1061E+01	.492724E+0C	.2C2953E+C1	-.153695E+C1	-.7078C6E+00
.618CE+00	.1011E+C1	.472736E+CC	.211535E+C1	-.164271E+C1	-.749218E+00
.6410E+00	.9615E+00	.452446E+CC	.55E8C9E+00	-.106352E+CC	-.793086E+00
.6592E+00	.9128E+00	.433713E+CC	.165747E+00	.267951E+CC	-.835372E+00
.6731E+00	.8654E+C0	.416848E+0C	.334493E-C1	.38337CE+C0	-.875033E+00
.6831E+00	.8197E+0C	.402097E+0C	.5C9731E-C2	.397012E+C0	-.911063E+00
.6897E+00	.7759E+00	.389846E+0C	.637664E-C3	.389186E+CC	-.942CC3E+00
.6933E+00	.7341E+0C	.378466E+0C	.71C820E-04	.3783B1E+C0	-.971629E+00
.6944E+00	.6944E+00	.367879E+CC	.1CCCCCE+C1	.CCCCCCE+CC	-.1CCCCCE+01
.6934E+00	.6569E+00	.367879E+CC	.1CCCCCE+C1	.CCCCCCE+CC	-.1CCCCCE+01
.69C6E+00	.6215E+00	.367879E+CC	.1CCCCCE+01	.CCCCCCE+CC	-.1CCCCCE+01
.6863E+00	.5882E+00	.367879E+CC	.1CCCCCE+C1	.CCCCCCE+CC	-.1CCCCCE+01
.68C7E+00	.5569E+00	.367879E+CC	.1CCCCCE+C1	.CCCCCCE+CC	-.1CCCCCE+01
.6741E+00	.5275E+00	.367879E+CC	.1CCCCCE+C1	.CCCCCCE+CC	-.1CCCCCE+01
.69C6E-01	.1312E+01	.571601E+0C	.174947E+C1	-.117771E+C1	-.559314E+00
.1370E+00	.1301E+01	.566923E+0C	.176391E+C1	-.119711E+C1	-.567532E+00

CYLINDER

$R/\lambda = 1$ $\quad T_e/T_i = 1$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -1$

Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.2027E+00	.1284E+01	.560353E+CC	.178459E+C1	-.122445E+C1	-.579188E+00
.2653E+00	.1260E+01	.551820E+0C	.181219E+01	-.12603CE+C1	-.594534E+00
.3238E+00	.1231E+01	.541437E+0C	.184694E+C1	-.13C547E+C1	-.613529E+00
.3778E+00	.1196E+01	.529269E+0C	.188940E+01	-.1360C4E+C1	-.636259E+00
.4268E+00	.1159E+01	.515484E+0C	.193992E+01	-.14243CE+C1	-.662649E+00
.47C6E+00	.1118E+01	.500365E+0C	.199854E+C1	-.149831E+C1	-.692418E+00
.5090E+00	.1075E+01	.484055E+CC	.206588E+01	-.158194E+C1	-.725558E+00
.5423E+00	.1030E+01	.466736E+0C	.214254E+C1	-.167563E+C1	-.761992E+00
.5705E+00	.9855E+00	.448663E+0C	.945444E+C0	-.496767E+CC	-.801483E+00
.5941E+00	.94C6E+0C	.431169E+0C	.317C45E+C0	.1140SCE+CC	-.841256E+00
.6132E+00	.8962E+0C	.414938E+0C	.754175E-C1	.339515E+CC	-.879626E+00
.6284E+00	.8528E+00	.399884E+CC	.131612E-01	.386719E+CC	-.916581E+00
.6399E+00	.81C6E+0C	.386589E+CC	.183732E-02	.384741E+CC	-.950392E+00
.6483E+00	.7699E+00	.377858E+0C	.216859E-C3	.377627E+CC	-.973237E+00
.6538E+00	.73C8E+00	.367879E+0C	.1CCCC0E+01	.C000CCE+CC	-.1000C0E+01
.6569E+00	.6934E+0C	.367879E+CC	.1CCCC0E+C1	.0000CCE+CC	-.100000E+01
.6579E+00	.6579E+00	.367879E+0C	.1CCCC0E+01	.CCC0CCE+CC	-.1000C0E+01
.657CE+00	.6242E+0C	.367879E+0C	.1CCCC0E+C1	.CC00CCE+CC	-.100000E+01
.6546E+00	.5923E+00	.367879E+CC	.1CC0C0E+01	.CCC0CCE+CC	-.1000C0E+01
.65C9E+00	.5621E+00	.367879E+0C	.1CCCC0E+01	.CCC0CCE+CC	-.1000C0E+C1
.6461E+00	.5337E+00	.367879E+0C	.1CCCCCE+C1	.C0000CE+CC	-.10000CE+01
.6234E-01	.1247E+C1	.533SC7E+0C	.1872S8E+C1	-.1339C6E+C1	-.627533E+00
.1238E+00	.1238E+01	.529941E+0C	.1E67C0E+01	-.135717E+C1	-.634990E+00
.1834E+00	.1222E+01	.524257E+CC	.19C746E+01	-.13831EE+C1	-.645774E+00
.24C4E+00	.1202E+01	.516865E+0C	.193474E+01	-.1417S5E+C1	-.659973E+00
.2941E+00	.1176E+01	.507733E+CC	.196954E+C1	-.146182E+C1	-.677759E+00
.3440E+00	.1147E+01	.496935E+0C	.2C1234E+01	-.151529E+C1	-.699296E+00
.3898E+00	.1114E+01	.484696E+0C	.2CE315E+01	-.15784CE+C1	-.724233E+00
.4310E+00	.1078E+01	.471270E+0C	.212193E+01	-.165061E+C1	-.752324E+00
.4678E+00	.104CE+01	.456743E+0C	.218941E+C1	-.173261E+C1	-.783634E+00
.50CCE+00	.10CCE+01	.4413C8E+0C	.226559E+01	-.182455E+C1	-.818011E+00
.5278E+00	.9597E+00	.425446E+0C	.4E6E53E+00	-.614286E-C1	-.854617E+00
.5515E+00	.9191E+00	.410385E+00	.13C540E+00	.279835E+CC	-.890649E+00
.5712E+00	.8787E+0C	.396710E+0C	.254648E-01	.371244E+CC	-.924550E+00
.5872E+00	.8389E+00	.382731E+0C	.392225E-02	.378766E+CC	-.960422E+00
.60C0E+00	.80CCE+00	.367879E+0C	.1CCCC0E+01	.C000CCE+CC	-.10CCC0E+01
.6C98E+00	.7622E+00	.367879E+CC	.1CCCCCE+C1	.0000CCE+CC	-.100CCCE+01
.6168E+00	.7257E+00	.367879E+CC	.1CCCC0E+01	.CCC0CCE+CC	-.1C00CCE+01
.6215E+00	.6S06E+00	.367879E+CC	.1CCCC0E+01	.C000C0E+CC	-.100000E+01
.6242E+00	.657CE+00	.367879E+CC	.1CCCC0E+C1	.CCC0CCE+CC	-.10000CE+01
.625CE+00	.625CE+00	.367879E+CC	.1CC0C0E+01	.C000CCE+CC	-.1C00CCE+01
.6243E+00	.5945E+0C	.367879E+0C	.1CCCC0E+01	.CC00CCE+CC	-.100000E+01
.6222E+00	.565CE+00	.367879E+CC	.1CCCC0E+01	.CC00CCE+CC	-.1000CCE+01
.6189E+00	.5382E+00	.367879E+0C	.1CCCCCE+C1	.CCC0CCE+CC	-.10CCCCE+01
.5656E-01	.1188E+01	.497597E+0C	.2CC966E+C1	-.151159E+C1	-.697964E+00
.1124E+00	.1180E+01	.494359E+CC	.2C2282E+01	-.152824E+C1	-.704492E+00
.1667E+00	.1167E+01	.489692E+0C	.2C4210E+01	-.155263E+C1	-.713979E+00
.2188E+00	.1149E+C1	.483411E+0C	.2C6E63E+01	-.158539E+C1	-.726888E+00
.2682E+00	.1127E+01	.475475E+0C	.21C316E+C1	-.162786E+C1	-.743441E+00
.3145E+00	.11C1E+01	.465856E+0C	.21464CE+01	-.16805EE+C1	-.763794E+00
.3571E+00	.1071E+01	.454973E+CC	.219793E+C1	-.1743C1E+C1	-.787518E+00
.3960E+00	.1C4CE+01	.443142E+0C	.225661E+01	-.181329E+C1	-.813864E+00
.4310E+00	.1CC6E+01	.43C263E+0C	.232416E+C1	-.189382E+C1	-.843359E+00
.4621E+00	.97C4E+0C	.416339E+00	.589593E+00	-.173243E+CC	-.876255E+00
.4893E+00	.9342E+00	.403122E+CC	.175131E+C0	.2279E4E+CC	-.908515E+00
.5128E+00	.8974E+00	.389987E+CC	.37C278E-C1	.352966E+CC	-.941643E+00
.5328E+00	.86C7E+0C	.380341E+CC	.6CC925E-02	.374316E+CC	-.966687E+00
.5495E+00	.8242E+0C	.367879E+0C	.1CCCC0E+01	.C000CCE+CC	-.1000CCE+01
.5631E+00	.7883E+00	.367879E+CC	.1CCCC0E+C1	.CC00CCE+CC	-.1C0000E+01
.5739E+00	.7532E+0C	.367879E+CC	.1CCCC0E+01	.C000CCE+CC	-.100000E+01

CYLINDER

$R/\lambda = 1$ $\quad T_e/T_i = 1$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -1$

Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.5822E+00	.7192E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.5882E+00	.6863E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.5923E+00	.6546E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.5945E+00	.6243E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.5952E+00	.5952E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.5946E+00	.5676E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.5928E+00	.5412E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.5155E-01	.1134E+01	.462818E+00	.216068E+01	-.169779E+01	-.770422E+00
.1025E+00	.1127E+01	.460424E+00	.217191E+01	-.171151E+01	-.775607E+00
.1521E+00	.1116E+01	.456753E+00	.218937E+01	-.173269E+01	-.783613E+00
.2000E+00	.1100E+01	.451640E+00	.221415E+01	-.176273E+01	-.794869E+00
.2456E+00	.1081E+01	.444824E+00	.224808E+01	-.180322E+01	-.810077E+00
.2889E+00	.1058E+01	.436238E+00	.229233E+01	-.185608E+01	-.829568E+00
.3283E+00	.1032E+01	.426211E+00	.234626E+01	-.192043E+01	-.852820E+00
.3650E+00	.1004E+01	.416200E+00	.240269E+01	-.198654E+01	-.876590E+00
.3982E+00	.9735E+00	.404932E+00	.594177E+00	-.189231E+00	-.904037E+00
.4281E+00	.9418E+00	.392401E+00	.177752E+00	.214661E+00	-.935471E+00
.4545E+00	.9091E+00	.382455E+00	.382950E-01	.344160E+00	-.961143E+00
.4777E+00	.8758E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.4977E+00	.8423E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.5147E+00	.8088E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.5289E+00	.7757E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.5409E+00	.7432E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.5498E+00	.7115E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.5569E+00	.6807E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.5621E+00	.6509E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.5656E+00	.6222E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.5676E+00	.5946E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.5682E+00	.5682E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.5676E+00	.5429E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.4717E-01	.1085E+01	.429645E+00	.232750E+01	-.189772E+01	-.844795E+00
.9381E-01	.1079E+01	.428094E+00	.233594E+01	-.190775E+01	-.848414E+00
.1394E+00	.1069E+01	.425529E+00	.235002E+01	-.192445E+01	-.854423E+00
.1835E+00	.1055E+01	.421693E+00	.237139E+01	-.194966E+01	-.863478E+00
.2256E+00	.1038E+01	.416136E+00	.240366E+01	-.198697E+01	-.876744E+00
.2655E+00	.1018E+01	.408263E+00	.244940E+01	-.204121E+01	-.895843E+00
.3028E+00	.9948E+00	.397806E+00	.251026E+01	-.212247E+01	-.921795E+00
.3373E+00	.9696E+00	.390688E+00	.434248E+00	-.435570E-01	-.939845E+00
.3689E+00	.9426E+00	.382475E+00	.120091E+00	.262393E+00	-.961092E+00
.3975E+00	.9141E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.4231E+00	.8846E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.4458E+00	.8544E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.4656E+00	.8238E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.4828E+00	.7931E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.4973E+00	.7626E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.5096E+00	.7325E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.5196E+00	.7029E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.5275E+00	.6741E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.5337E+00	.6461E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.5382E+00	.6189E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.5412E+00	.5928E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.5429E+00	.5676E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01
.5435E+00	.5435E+00	.367879E+00	.100000E+01	.000000E+00	-.100000E+01

CYLINDER

$R/\lambda = 20$ $T_e/T_i = 5$ $V/C_i = 8$ $e\phi_s/KT_e = -1$

	Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
	.2500E+02	.0000E+00	.733782E+00	.158418E+00	.612763E+00	-.154772E+01
	.1250E+02	.0000E+00	.743549E+00	.465128E+00	.295472E+00	-.148160E+01
	.8333E+01	.0000E+00	.691305E+00	.718595E+00	-.272121E-01	-.184587E+01
	.6250E+01	.0000E+00	.622762E+00	.559303E+00	.646532E-01	-.236795E+01
	.5000E+01	.0000E+00	.586097E+00	.301613E+00	.284576E+00	-.267135E+01
	.4167E+01	.0000E+00	.569274E+00	.133332E+00	.443403E+00	-.281697E+01
	.3571E+01	.0000E+00	.562189E+00	.483870E-01	.513736E+00	-.287959E+01
	.3125E+01	.0000E+00	.559552E+00	.160706E-01	.543705E+00	-.290273E+01
	.2778E+01	.0000E+00	.558855E+00	.491065E-02	.560284E+00	-.290853E+01
	.2500E+01	.0000E+00	.558963E+00	.140652E-02	.563906E+00	-.290836E+01
12	.2273E+01	.0000E+00	.559338E+00	.383614E-03	.565343E+00	-.290501E+01
11	.2083E+01	.0000E+00	.559864E+00	.100946E-03	.566191E+00	-.290031E+01
10	.1923E+01	.0000E+00	.560466E+00	.259263E-04	.566911E+00	-.289493E+01
9	.1786E+01	.0000E+00	.561035E+00	.657343E-05	.567529E+00	-.288986E+01
8	.1667E+01	.0000E+00	.561433E+00	.166870E-05	.567965E+00	-.288631E+01
7	.1563E+01	.0000E+00	.561651E+00	.429215E-06	.568188E+00	-.288437E+01
6	.1471E+01	.0000E+00	.561760E+00	.116794E-06	.568288E+00	-.288340E+01
5	.1389E+01	.0000E+00	.561830E+00	.369154E-07	.568335E+00	-.288278E+01
4	.1316E+01	.0000E+00	.561955E+00	.161447E-07	.568434E+00	-.288167E+01
3						

CYLINDER

$R/\lambda = 20$ $T_e/T_i = 5$ $V/C_i = 8$ $e\phi_s/KT_e = -1$

Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.1250E+01	.0000E+00	.562465E+00	.875889E-08	.568867E+00	-.287713E+01
.1190E+01	.0000E+00	.564793E+00	.714960E-08	.570959E+00	-.285648E+01
.1136E+01	.0000E+00	.573698E+00	.489002E-08	.579264E+00	-.277826E+01
.1087E+01	.0000E+00	.601153E+00	.398262E-08	.605518E+00	-.254453E+01
.1250E+02	.1250E+02	.999996E+00	.100000E+01	-.211895E-04	-.208801E-04
.1000E+02	.5000E+01	.999975E+00	.100012E+01	-.137821E-03	-.124184E-03
.7500E+01	.2500E+01	.999877E+00	.100062E+01	-.741117E-03	-.615257E-03
.5882E+01	.1471E+01	.999295E+00	.100353E+01	-.376311E-02	-.352600E-02
.4808E+01	.9615E+00	.731756E+00	.851140E-01	.689138E+00	-.156153E+01
.4054E+01	.6757E+00	.728259E+00	.534863E+00	.203706E+00	-.158549E+01
.3500E+01	.5000E+00	.623740E+00	.501161E+00	.124951E+00	-.236011E+01
.3077E+01	.3846E+00	.574879E+00	.169400E+00	.410591E+00	-.276798E+01
.2744E+01	.3049E+00	.561821E+00	.382643E-01	.529564E+00	-.288286E+01
.2475E+01	.2475E+00	.558842E+00	.716713E-02	.557914E+00	-.290945E+01
.2254E+01	.2049E+00	.558351E+00	.120931E-02	.563444E+00	-.291384E+01
.2069E+01	.1724E+00	.558480E+00	.191326E-03	.564618E+00	-.291268E+01
.1912E+01	.1471E+00	.558797E+00	.290850E-04	.565119E+00	-.290984E+01
.1777E+01	.1269E+00	.559127E+00	.430668E-05	.565491E+00	-.290690E+01
.1659E+01	.1106E+00	.559335E+00	.624776E-06	.565708E+00	-.290503E+01
.1556E+01	.9728E-01	.559416E+00	.915413E-07	.565780E+00	-.290431E+01
.1466E+01	.8621E-01	.559430E+00	.149243E-07	.565776E+00	-.290419E+01
.1385E+01	.7692E-01	.559433E+00	.349919E-08	.565756E+00	-.290416E+01
.1312E+01	.6906E-01	.559514E+00	.194582E-08	.565803E+00	-.290344E+01
.1247E+01	.6234E-01	.560015E+00	.964875E-09	.566223E+00	-.289896E+01
.1188E+01	.5656E-01	.562421E+00	.917026E-09	.568392E+00	-.287752E+01
.1134E+01	.5155E-01	.571591E+00	.585757E-09	.576970E+00	-.279666E+01
.1085E+01	.4717E-01	.599595E+00	.313433E-09	.603802E+00	-.255751E+01
.5000E+01	.1000E+02	.100000E+01	.100000E+01	.745058E-08	-.545515E-08
.6250E+01	.6250E+01	.100000E+01	.100000E+01	-.372529E-07	-.284711E-07
.5769E+01	.3846E+01	.100000E+01	.100000E+01	-.424683E-06	-.361184E-06
.5000E+01	.2500E+01	.999998E+00	.100001E+01	-.926852E-05	-.969914E-05
.4310E+01	.1724E+01	.999117E+00	.100443E+01	-.439669E-02	-.441876E-02
.3750E+01	.1250E+01	.996923E+00	.101553E+01	-.159424E-01	-.154069E-01
.3302E+01	.9434E+00	.726834E+00	.958486E-01	.668876E+00	-.159528E+01
.2941E+01	.7353E+00	.710447E+00	.536300E+00	.182126E+00	-.170930E+01
.2647E+01	.5882E+00	.609663E+00	.405143E+00	.207730E+00	-.247424E+01
.2404E+01	.4808E+00	.569954E+00	.111129E+00	.464270E+00	-.281100E+01
.2200E+01	.4000E+00	.560527E+00	.205093E-01	.546142E+00	-.289439E+01
.2027E+01	.3378E+00	.558707E+00	.316492E-02	.561824E+00	-.291065E+01
.1879E+01	.2899E+00	.558513E+00	.445066E-03	.564393E+00	-.291238E+01
.1750E+01	.2500E+00	.558576E+00	.596520E-04	.564851E+00	-.291182E+01
.1638E+01	.2183E+00	.558558E+00	.781307E-05	.564875E+00	-.291199E+01
.1538E+01	.1923E+00	.558445E+00	.100943E-05	.564745E+00	-.291300E+01
.1451E+01	.1700E+00	.558301E+00	.130622E-06	.564579E+00	-.291429E+01
.1372E+01	.1524E+00	.558178E+00	.186369E-07	.564418E+00	-.291539E+01
.1301E+01	.1370E+00	.558159E+00	.383077E-08	.564356E+00	-.291556E+01
.1238E+01	.1238E+00	.558604E+00	.198594E-08	.564710E+00	-.291157E+01
.1180E+01	.1124E+00	.561064E+00	.967757E-09	.566921E+00	-.289960E+01
.1127E+01	.1025E+00	.570519E+00	.879272E-09	.575770E+00	-.280605E+01
.1079E+01	.9381E-01	.599101E+00	.495074E-09	.603164E+00	-.256163E+01
.2500E+01	.7500E+01	.100000E+01	.100000E+01	-.745058E-08	.666568E-08
.3846E+01	.5769E+01	.100000E+01	.100000E+01	-.745058E-08	.640822E-08
.4167E+01	.4167E+01	.100000E+01	.100000E+01	-.745058E-08	.730593E-09
.4000E+01	.3000E+01	.100000E+01	.100000E+01	-.372529E-07	-.590317E-07
.3676E+01	.2206E+01	.999996E+00	.100002E+01	-.176281E-04	-.176418E-04
.3333E+01	.1667E+01	.999959E+00	.100020E+01	-.199430E-03	-.204238E-03
.3017E+01	.1293E+01	.996449E+00	.101794E+01	-.183065E-01	-.177849E-01
.2740E+01	.1027E+01	.989633E+00	.105349E+01	-.600456E-01	-.521046E-01
.2500E+01	.8333E+00	.731686E+00	.402942E+00	.344956E+00	-.156202E+01
.2294E+01	.6881E+00	.636708E+00	.499161E+00	.143811E+00	-.225722E+01

C3

CYLINDER

R/λ $T_e/T_i = 5$ $V/C_i = 8$ $e\phi_s/KT_e = -1$

Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.2115E+01	.5769E+00	.577443E+CC	.163870E+C0	.418550E+CC	-.274573E+01
.1961E+01	.4902E+0C	.562206E+CC	.306059E-01	.537626E+C0	-.287942E+01
.1826E+01	.4213E+CC	.559146E+0C	.448264E-02	.560934E+CC	-.290672E+01
.1707E+01	.3659E+00	.558586E+CC	.584377E-03	.564292E+CC	-.291197E+01
.1603E+01	.3205E+0C	.558303E+CC	.720130E-04	.564538E+CC	-.291427E+01
.1509E+01	.2833E+0C	.558039E+CC	.865123E-05	.564306E+CC	-.291663E+01
.1426E+01	.2517E+00	.557780E+C0	.1025C0E-05	.5e4019E+CC	-.291895E+01
.1351E+01	.2252E+CC	.557563E+0C	.122333E-06	.563765E+CC	-.292090E+01
.1284E+01	.2027E+0C	.557466E+0C	.164520E-07	.56362CE+CC	-.292177E+01
.1222E+01	.1834E+00	.557884E+CC	.342758E-08	.563935E+CC	-.291802E+01
.1167E+01	.1667E+0C	.560479E+CC	.190859E-08	.566257E+CC	-.289482E+01
.1116E+01	.1521E+CC	.570421E+CC	.906335E-09	.575563E+CC	-.280690E+01
.1069E+01	.1394E+0C	.599874E+CC	.722939E-09	.603828E+CC	-.255518E+01
.1471E+01	.5882E+01	.100000E+C1	.100000E+01	-.745058E-08	.661766E-08
.2500E+01	.5000E+01	.100000E+C1	.100000E+01	-.745058E-08	.657795E-08
.3000E+01	.4000E+01	.100000E+C1	.100000E+01	-.745058E-08	.625343E-08
.3125E+01	.3125E+01	.100000E+C1	.100000E+01	-.745058E-08	.381652E-08
.3049E+01	.2439E+01	.100000E+01	.100000E+01	-.104308E-06	-.130641E-06
.2885E+01	.1923E+01	.999999E+CC	.100000E+01	-.371039E-05	-.390370E-05
.2692E+01	.1538E+01	.999946E+CC	.100027E+C1	-.281312E-03	-.272085E-03
.2500E+01	.1250E+C1	.999491E+CC	.100255E+C1	-.282117E-02	-.254482E-02
.2320E+01	.1031E+01	.983733E+0C	.100546E+C1	-.540172E-01	-.820016E-01
.2155E+01	.8621E+00	.736804E+CC	.412519E+00	.339031E+CC	-.152717E+01
.2007E+01	.7299E+CC	.640394E+00	.487789E+00	.155564E+CC	-.222836E+01
.1875E+01	.6250E+00	.578981E+CC	.161212E+00	.422692E+CC	-.273243E+01
.1757E+01	.5405E+0C	.562684E+CC	.289685E-01	.539727E+CC	-.287519E+01
.1651E+01	.4717E+00	.559202E+0C	.401033E-02	.561451E+C0	-.290622E+01
.1556E+01	.4149E+CC	.558295E+CC	.499582E-03	.564088E+CC	-.291434E+01
.1471E+01	.3676E+00	.557842E+0C	.566559E-04	.564042E+CC	-.291840E+01
.1393E+01	.3279E+CC	.557505E+CC	.636754E-05	.563718E+CC	-.292142E+01
.1324E+01	.2941E+00	.557239E+CC	.705655E-06	.563419E+CC	-.292381E+01
.1260E+01	.2653E+00	.557116E+CC	.802e5CE-07	.563243E+CC	-.292491E+01
.1202E+01	.2404E+00	.557598E+CC	.109987E-07	.563605E+CC	-.292059E+01
.1149E+01	.2188E+00	.560570E+CC	.267822E-08	.566266E+CC	-.289401E+01
.1100E+01	.2000E+00	.571566E+0C	.169769E-08	.576569E+C0	-.279687E+01
.1055E+01	.1835E+0C	.602781E+CC	.719655E-09	.606555E+CC	-.253101E+01
.9615E+00	.4808E+01	.100000E+01	.100000E+01	-.745058E-08	.609522E-08
.1724E+01	.4310E+01	.100000E+C1	.100000E+01	-.745058E-08	.524302E-08
.2206E+01	.3676E+01	.100000E+C1	.100000E+01	-.745058E-08	.393609E-08
.2439E+01	.3049E+01	.100000E+01	.100000E+01	-.745058E-08	.231362E-08
.2500E+01	.2500E+01	.100000E+01	.100000E+01	-.745058E-08	-.362623E-09
.2459E+01	.2049E+01	.100000E+01	.100000E+01	-.119209E-06	-.143747E-06
.2365E+01	.1689E+01	.999998E+0C	.100001E+01	-.835955E-05	-.813312E-05
.2247E+01	.1404E+01	.999957E+CC	.100021E+C1	-.236638E-03	-.213011E-03
.2123E+01	.1179E+01	.998648E+0C	.100679E+C1	-.752258E-02	-.676613E-02
.2000E+01	.1000E+01	.974645E+CC	.113702E+C1	-.153648E+CC	-.128408E+00
.1884E+01	.8562E+00	.733020E+CC	.544061E+00	.197567E+CC	-.155291E+01
.1775E+01	.7396E+0C	.626315E+CC	.421252E+00	.208181E+CC	-.233951E+01
.1675E+01	.6443E+CC	.575059E+CC	.117581E+C0	.462672E+CC	-.276641E+01
.1584E+01	.5656E+00	.561795E+0C	.192258E-01	.548621E+CC	-.288314E+01
.1500E+01	.5000E+0C	.558702E+CC	.248013E-02	.562450E+CC	-.291069E+01
.1423E+01	.4448E+0C	.557775E+CC	.285205E-03	.563720E+CC	-.291900E+01
.1354E+C1	.3981E+00	.557328E+0C	.310823E-04	.563497E+CC	-.292300E+01
.1289E+01	.3582E+CC	.557037E+CC	.331069E-05	.563195E+CC	-.292562E+01
.1231E+01	.3238E+0C	.556944E+CC	.349220E-06	.563044E+CC	-.292646E+01
.1176E+01	.2941E+0C	.557658E+CC	.393807E-07	.563612E+CC	-.292004E+01
.1127E+01	.2682E+00	.561522E+CC	.617988E-08	.567102E+CC	-.288552E+01
.1081E+01	.2456E+00	.574863E+CC	.194066E-08	.579655E+CC	-.276811E+01
.1038E+01	.2256E+00	.610217E+CC	.709314E-09	.613705E+CC	-.246970E+01
.6757E+00	.4054E+01	.100000E+01	.100000E+01	-.745058E-08	.303728E-08

CYLINDER

$R/\lambda = 20$ $\quad T_e/T_i = 5$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -1$

	Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
	.1250E+01	.3750E+01	.1000C0E+01	.1000000E+01	.7450588E-08	-.544468E-08
	.1667E+01	.3333E+01	.1000C0E+01	.1000000E+01	-.7450588E-08	.485150E-08
	.1923E+01	.2885E+01	.1000C0E+01	.1000000E+01	.7450588E-08	-.242447E-08
	.2049E+01	.2459E+01	.1000C0E+01	.1000000E+01	-.7450588E-08	.389478E-09
	.2083E+01	.2083E+01	.1000C0E+01	.1000000E+01	-.223517E-07	-.190984E-07
	.2059E+01	.1765E+01	.1000C0E+01	.1000000E+01	-.1274C5E-05	-.110303E-05
	.2000E+01	.1500E+01	.999985E+00	.1000000E+01	-.4968C5E-04	-.751116E-04
	.1923E+01	.1282E+01	.999514E+00	.1002435E+01	-.2628200E-02	-.243133E-02
	.1838E+01	.1103E+01	.987841E+00	.1063068E+01	-.671695E-01	-.611678E-01
	.1752E+01	.9554E+00	.787943E+00	.5000738E+00	.3022975E+00	-.119165E+01
	.1667E+01	.8333E+00	.693459E+00	.5402666E+00	.1596866E+00	-.183032E+01
	.1585E+01	.7317E+00	.604205E+00	.2938635E+00	.3142615E+00	-.251918E+01
	.1505E+01	.6466E+00	.569030E+00	.6467295E-01	.5099145E+00	-.281911E+01
	.1437E+01	.5747E+00	.560150E+00	.9349625E-02	.5568915E+00	-.289775E+01
	.1370E+01	.5137E+00	.557946E+00	.1111245E-02	.5630185E+00	-.291747E+01
	.1308E+01	.4615E+00	.557230E+00	.1200174E-03	.5632845E+00	-.292389E+01
	.1250E+01	.4167E+00	.556895E+00	.1247475E-04	.5630245E+00	-.292687E+01
	.1196E+01	.3778E+00	.556903E+00	.1271455E-05	.5629675E+00	-.292682E+01
	.1147E+01	.3440E+00	.558134E+00	.1292366E-06	.5640665E+00	-.291578E+01
	.1101E+01	.3145E+00	.563795E+00	.1453226E-07	.5691585E+00	-.286532E+01
	.1058E+01	.2885E+00	.581936E+00	.2559866E-08	.5864135E+00	-.270697E+01
	.1018E+01	.2655E+00	.627295E+00	.1161975E-08	.6303365E+00	-.233169E+01
	.5000E+00	.3500E+01	.1000C0E+01	.1000000E+01	.7450588E-08	-.171297E-08
	.9434E+00	.3302E+01	.1000C0E+01	.1000000E+01	-.7450588E-08	.312140E-08
	.1293E+01	.3017E+01	.1000C0E+01	.1000000E+01	-.7450588E-08	.487416E-08
	.1538E+01	.2692E+01	.1000C0E+01	.1000000E+01	-.7450588E-08	.266692E-08
	.1689E+01	.2365E+01	.1000C0E+01	.1000000E+01	.7450588E-08	-.619857E-08
	.1765E+01	.2059E+01	.1000C0E+01	.1000000E+01	-.7450588E-08	-.187876E-07
	.1786E+01	.1786E+01	.1000C0E+01	.1000000E+01	-.6258495E-06	-.507507E-06
	.1770E+01	.1549E+01	.999994E+00	.1000030E+01	-.1940135E-04	-.278021E-04
	.1731E+01	.1346E+01	.999862E+00	.1000069E+01	-.7625525E-03	-.689302E-03
	.1678E+01	.1174E+01	.997306E+00	.1013586E+01	-.1455955E-01	-.134897E-01
	.1618E+01	.1029E+01	.965431E+00	.1192326E+01	-.2115226E+00	-.175901E+00
	.1554E+01	.9067E+00	.7550C2E+00	.5369506E+00	.2286746E+00	-.140517E+01
	.1491E+01	.8028E+00	.649325E+00	.4659206E+00	.1870646E+00	-.215911E+01
	.1429E+01	.7143E+00	.583899E+00	.1545286E+00	.4341126E+00	-.269015E+01
	.1369E+01	.6387E+00	.563649E+00	.2665456E-01	.5428136E+00	-.286662E+01
	.1311E+01	.5738E+00	.558606E+00	.3384406E-02	.5613226E+00	-.291154E+01
	.1257E+01	.5178E+00	.557258E+00	.3712666E-03	.5630246E+00	-.292363E+01
	.1206E+01	.4692E+00	.556825E+00	.3807256E-04	.5628956E+00	-.292752E+01
	.1159E+01	.4268E+00	.557022E+00	.3787406E-05	.5630306E+00	-.292575E+01
	.1114E+01	.3898E+00	.559171E+00	.3664026E-06	.5649216E+00	-.290656E+01
	.1071E+01	.3571E+00	.567782E+00	.3568326E-07	.5729356E+00	-.283009E+01
	.1032E+01	.3283E+00	.593797E+00	.3822196E-08	.5978546E+00	-.260609E+01
	.9948E+00	.3028E+00	.659812E+00	.9870926E-09	.6622286E+00	-.207900E+01
	.3846E+00	.3077E+01	.1000C0E+01	.1000000E+01	-.7450586E-08	.307575E-08
	.7353E+00	.2941E+01	.1000C0E+01	.1000000E+01	.7450588E-08	-.283301E-08
	.1027E+01	.2740E+01	.1000C0E+01	.1000000E+01	.7450588E-08	-.277681E-08
	.1250E+01	.2500E+01	.1000C0E+01	.1000000E+01	.7450588E-08	-.339093E-08
	.1404E+01	.2247E+01	.1000C0E+01	.1000000E+01	.7450588E-08	-.279038E-08
	.1500E+01	.2000E+01	.1000C0E+01	.1000000E+01	-.223517E-07	-.217099E-07
12	.1549E+01	.1770E+01	.1000C0E+01	.1000000E+01	-.6258495E-06	-.486554E-06
11	.1563E+01	.1563E+01	.999997E+00	.1000020E+01	-.1481185E-04	-.154750E-04
10	.1552E+01	.1379E+01	.999914E+00	.1000430E+01	-.3550285E-03	-.429059E-03
9	.1524E+01	.1220E+01	.998602E+00	.1007026E+01	-.7908535E-02	-.699270E-02
8	.1486E+01	.1081E+01	.981153E+00	.1099815E+01	-.1095355E+00	-.951352E-01
7	.1442E+01	.9615E+00	.806659E+00	.5814336E+00	.2350115E+00	-.107427E+01
6	.1395E+01	.8584E+00	.596102E+00	.3518895E+00	.1494886E+00	-.181129E+01
5	.1346E+01	.7692E+00	.606075E+00	.2729376E+00	.3376936E+00	-.249881E+01
4	.1298E+01	.6920E+00	.570069E+00	.5666476E-01	.5136786E+00	-.281002E+01
3						

CYLINDER

$R/\lambda = 20$ $T_e/T_i = 5$ $V/C_i = 8$ $e\phi_s/KT_e = -1$

Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.1250E+01	.625CE+CC	.560C7CE+CC	.81731CE-02	.557859E+CC	-.289847E+01
.12C4E+01	.5666E+00	.5575C7E+0C	.9250C5E-03	.5626C4E+CC	-.292140E+01
.1160E+01	.5155E+0C	.556869E+0C	.948329E-04	.562837E+C0	-.292712E+01
.1118E+01	.47C6E+00	.557417E+CC	.9275C8E-C5	.563336E+CC	-.292221E+01
.1078E+01	.431CE+0C	.561C36E+CC	.867415E-06	.5666C4E+CC	-.288985E+01
.104CE+01	.396CE+0C	.573527E+CC	.753C59E-C7	.578348E+CC	-.277975E+01
.1004E+01	.365CE+0C	.606864E+0C	.678567E-08	.61C446E+CC	-.249725E+01
.9656E+C0	.3373E+C0	.679895E+0C	.1C4C80E-C8	.681829E+CC	-.192912E+01
.3049E+00	.2744E+01	.1000CCE+C1	.1CCCC0E+C1	.745058E-C8	-.401852E-08
.5882E+00	.2647E+01	.1000CCE+C1	.1CCCC0E+01	.745058E-C8	-.388946E-08
.8333E+00	.25CCE+01	.1000CCE+01	.1CCCC0E+01	-.745058E-C8	.244327E-08
.1031E+01	.2320E+01	.1000CCE+C1	.1CCCCCE+C1	.745058E-C8	-.440868E-08
.1179E+01	.2123E+01	.1000CCE+C1	.1CCCCCE+C1	-.745058E-C8	.113675E-08
.1282E+01	.1923E+C1	.1000CCE+C1	.1CCCCCE+01	-.372529E-C7	-.325152E-07
.1346E+01	.1731E+01	.1000CCE+C1	.1CCCC0E+C1	-.670552E-C6	-.599633E-06
.1379E+01	.1552E+01	.999959E+CC	.1CCCC1E+01	-.132993E-C4	-.119516E-04
.1389E+01	.1389E+C1	.999949E+CC	.1CCC25E+C1	-.220142E-C3	-.253125E-03
.1381E+01	.1243E+01	.999395E+CC	.1CC3C6E+C1	-.370423E-C2	-.305074E-02
.1361E+01	.1114E+C1	.993471E+CC	.1C3329E+01	-.372234E-C1	-.327516E-01
.1333E+01	.1CCCE+01	.949734E+CC	.129417E+C1	-.332212E+CC	-.257868E+00
.13C0E+01	.9CCCE+0C	.74707CE+CC	.6C9C53E+C0	.142719E+CC	-.145798E+01
.1264E+01	.8123E+0C	.634187E+CC	.383266E+00	.254181E+CC	-.227705E+01
.1225E+01	.7353E+CC	.579318E+0C	.1C2868E+C0	.481341E+CC	-.272952E+01
.1187E+01	.6677E+0C	.5625CCE+CC	.159236E-C1	.552352E+CC	-.287682E+01
.1149E+01	.6C81E+00	.558077E+CC	.187851E-C2	.5622C3E+CC	-.291629E+01
.1111E+01	.5556E+00	.557154E+CC	.194073E-C3	.562952E+CC	-.292457E+01
.1075E+01	.5C9CE+0C	.558434E+CC	.186951E-C4	.5642C7E+CC	-.291310E+01
.1040E+01	.4678E+0C	.56469EE+CC	.167C18E-05	.569992E+CC	-.285732E+01
.10C6E+01	.431CE+00	.583616E+CC	.128887E-C6	.587979E+C0	-.269256E+01
.9735E+00	.3982E+0C	.628733E+CC	.88CC15E-08	.631707E+CC	-.232C24E+01
.9426E+00	.3689E+00	.714415E+0C	.942C31E-C9	.715739E+CC	-.168146E+01
.2475E+00	.2475E+01	.1000CCE+C1	.1CCCC0E+C1	.745058E-C8	-.230433E-08
.48C8E+00	.24C4E+01	.1000CCE+C1	.1CCCC0E+C1	-.745058E-C8	.479017E-08
.6881E+00	.2294E+01	.1000CCE+C1	.1CCCCCE+01	-.745058E-C8	.379896E-08
.8621E+00	.2155E+01	.1000CCE+C1	.1CCCC0E+C1	-.745058E-C8	.192224E-08
.10C0E+01	.2000E+01	.1000CCE+C1	.1CCCC0E+01	-.745058E-C8	-.405163E-08
.11C3E+01	.1838E+01	.1000CCE+C1	.1CCCCCE+C1	-.670552E-C7	-.752998E-07
.1174E+01	.1678E+01	.1000CCE+C1	.1CCCCCE+01	-.130385E-C5	-.115933E-05
.1220E+01	.1524E+01	.999997E+0C	.1CCCC2E+C1	-.19446CE-C4	-.159324E-04
.1243E+01	.1381E+C1	.999954E+CC	.1CCC23E+01	-.239097E-C3	-.230111E-03
.1250E+01	.1250E+C1	.9995C5E+CC	.1CC248E+C1	-.284356E-C2	-.247410E-02
.1244E+01	.1131E+01	.995376E+0C	.1C2344E+C1	-.267315E-C1	-.231712E-01
.1230E+01	.1025E+01	.964810E+CC	.119617E+01	-.224762E+CC	-.179121E+C0
.12C8E+01	.9294E+0C	.777517E+CC	.653956E+C0	.128364E+CC	-.125825E+01
.1182E+01	.8446E+CC	.659043E+0C	.462655E+C0	.199532E+C0	-.208483E+01
.1154E+C1	.7692E+CC	.569870E+CC	.149CC3E+C0	.445352E+CC	-.263927E+01
.1124E+01	.7C22E+00	.565718E+CC	.255231E-01	.545762E+CC	-.284830E+01
.1093E+01	.6427E+0C	.559C29E+CC	.314404E-C2	.561786E+C0	-.290777E+01
.1061E+01	.5896E+00	.557908E+0C	.327997E-C3	.563457E+CC	-.291781E+01
.1030E+01	.5423E+0C	.5607C1E+0C	.3C9538E-C4	.566243E+CC	-.289284E+01
.10C0E+01	.500CE+00	.571621E+0C	.258316E-C5	.576515E+CC	-.279639E+01
.97C4E+00	.4621E+0C	.601308E+CC	.169269E-06	.605062E+CC	-.254324E+01
.9418E+00	.4281E+CC	.669382E+0C	.793656E-C8	.671552E+CC	-.200700E+C1
.9141E+00	.3975E+0C	.818731E+CC	.1CCCCCE+C1	.CC0CCCE+CC	-.100000E+01
.2049E+00	.2254E+C1	.1000CCE+01	.1CCCC0E+C1	-.745058E-C8	.430558E-08
.4000E+00	.22CCE+01	.1000CCE+C1	.1CCCC0E+C1	-.745058E-C8	.328588E-08
.5769E+00	.2115E+01	.1000CCE+01	.1CCCCCE+C1	-.745058E-C8	.313353E-08
.7299E+00	.2007E+01	.1000CCE+C1	.1CCCCCE+01	.745058E-C8	-.622260E-08
.8562E+00	.1884E+01	.1000CCE+C1	.1CCCC0E+C1	-.670552E-C7	-.427136E-08
.9554E+00	.1752E+01	.1000CCE+C1	.1CCCC0E+01	-.119209E-C6	-.332255E-06

CYLINDER

$R/\lambda = 20$ $T_e/T_i = 5$ $V/C_i = 8$ $e\phi_s/KT_e = -1$

	Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
	.1029E+01	.1618E+01	.1000CCE+C1	.1CCCC0E+01	-.377744E-C5	-.250168E-05
	.1081E+01	.1486E+01	.999994E+0C	.1CCCC3E+C1	-.355914E-C4	-.315858E-04
	.1114E+01	.1361E+01	.999935E+CC	.1CCC33E+C1	-.378534E-C3	-.325383E-03
	.1131E+01	.1244E+C1	.999373E+CC	.1CC314E+C1	-.343605E-C2	-.313792E-02
	.1136E+01	.1136E+01	.995177E+0C	.102447E+01	-.293795E-C1	-.241724E-01
	.1132E+01	.1038E+01	.966374E+CC	.118652E+01	-.214962E+CC	-.171024E+00
	.1121E+01	.9483E+0C	.801994E+CC	.741341E+00	.63621CE-C1	-.110327E+C1
	.11C4E+01	.8675E+0C	.679216E+CC	.535619E+00	.146116E+CC	-.1934C8E+01
	.1084E+01	.7946E+CC	.599679E+CC	.186827E+C0	.416916E+CC	-.255684E+01
	.1061E+01	.7294E+0C	.5692C4E+0C	.343712E-01	.54C189E+C0	-.281758E+01
	.1037E+01	.67C7E+0C	.5604C7E+0C	.43817CE-02	.5617B8E+CC	-.289546E+01
	.1011E+01	.618CE+0C	.559583E+CC	.45E488E-C3	.564812E+C0	-.290282E+01
	.9855E+00	.5705E+0C	.565284E+CC	.417172E-04	.570476E+CC	-.285214E+01
	.9597E+00	.5278E+0C	.583477E+CC	.316245E-C5	.587823E+C0	-.269375E+01
	.9342E+00	.4893E+0C	.62674CE+0C	.177616E-06	.629764E+CC	-.233611E+01
	.9091E+00	.4545E+CC	.710913E+CC	.8C42EEE-C8	.712316E+CC	-.1708C2E+C1
	.8846E+00	.4231E+00	.818731E+CC	.1CCCCCE+C1	.COCOCCE+CC	-.1000C0E+01
	.1724E+00	.2C69E+01	.1000CCE+C1	.1CCCC0E+01	.745058E-C8	-.208724E-08
	.3378E+00	.2027E+01	.1CCCCCE+01	.1CCCC0E+01	.745058E-C8	-.733861E-08
	.49C2E+00	.1961E+01	.1000CCE+01	.1CCCCCE+01	-.745058E-C8	-.145995E-09
	.6295E+00	.1875E+01	.1000CCE+C1	.1CCCCCE+C1	-.521541E-C7	-.122297E-07
	.7396E+00	.1775E+01	.1000CCE+01	.1CCCCCE+01	.1192C9E-C6	-.214866E-06
	.8333E+00	.1667E+01	.1000CCE+01	.1CCCCCE+C1	-.164656E-C5	-.483686E-06
	.9067E+00	.1554E+01	.999999E+0C	.1CCC01E+01	-.777841E-C5	-.790951E-05
	.9615E+00	.1442E+01	.999986E+CC	.1CCCC7E+01	-.826344E-C4	-.675901E-04
	.1CCCE+01	.1333E+01	.999887E+CC	.1CCC57E+C1	-.658549E-C3	-.565255E-03
	.1025E+01	.1230E+01	.99915CE+CC	.1CC42EE+01	-.502679E-C2	-.425082E-02
	.1038E+01	.1132E+01	.994378E+CC	.1C2859E+C1	-.34366CE-C1	-.281882E-01
	.1042E+01	.1042E+C1	.966278E+CC	.118711E+01	-.219518E+CC	-.171519E+00
	.1038E+01	.9585E+0C	.824336E+CC	.892034E+C0	-.669040E-C1	-.965884E+00
	.1029E+01	.8824E+0C	.693422E+CC	.587399E+00	.1C749CE+CC	-.183058E+01
	.1016E+01	.813CE+0C	.607116E+CC	.2C7576E+C0	.4028C1E+CC	-.249518E+01
	.1000E+01	.75CCE+00	.572433E+0C	.395C86E-C1	.538069E+CC	-.278929E+01
	.9815E+00	.6928E+0C	.562417E+CC	.511235E-02	.562873E+C0	-.287756E+01
	.9615E+00	.641CE+0C	.56314CE+0C	.525958E-C3	.567957E+CC	-.287113E+01
	.94C6E+00	.5941E+0C	.5743C3E+CC	.445027E-C4	.578985E+CC	-.277299E+01
	.9191E+00	.5515E+0C	.60425BE+CC	.2879C0E-05	.6C788CE+CC	-.251877E+01
	.8974E+00	.5128E+00	.67C4C6E+CC	.119553E-C6	.672525E+CC	-.199936E+01
	.8758E+00	.4777E+0C	.818731E+CC	.1CCCCCE+C1	.COOOCCE+CC	-.100000E+01
	.8544E+00	.4458E+CC	.818731E+0C	.1CCCCCE+C1	.COOOCCE+CC	-.100000E+01
	.1471E+00	.1912E+01	.100CCCE+01	.1CCCC0E+01	-.1C43C8E-C6	.173159E-07
	.2890E+00	.1879E+01	.100C0CE+C1	.1CCCCCE+C1	-.13411CE-C6	.280141E-07
	.4213E+00	.1826E+01	.100CCCE+C1	.1CCCCCE+C1	.149012E-C7	-.986311E-07
	.54C5E+00	.1757E+01	.100CCCE+01	.1CCCCCE+C1	-.298023E-C6	-.689531E-07
	.6443E+00	.1675E+01	.1000CCE+C1	.1CCCCCE+C1	-.117715E-C5	.498486E-06
	.7317E+00	.1585E+01	.999995E+CC	.1CCCCCE+C1	-.185515E-C5	-.377370E-05
	.8028E+0C	.1491E+01	.999995E+0C	.1CCCC2E+C1	-.240132E-C4	-.248561E-04
	.8584E+00	.1395E+01	.999957E+0C	.1CCC15E+C1	-.184052E-C3	-.148662E-03
	.9CC0E+00	.13C0E+01	.999796E+CC	.1CC102E+01	-.120047E-C2	-.1C1826E-02
	.9294E+00	.1208E+01	.998751E+CC	.1CC627E+01	-.757077E-C2	-.624819E-02
	.9483E+00	.1121E+01	.992918E+CC	.1C3617E+C1	-.436105E-C1	-.355339E-01
12	.9585E+00	.1C38E+01	.982896E+CC	.12C810E+01	-.245386E+CC	-.189048E+00
11	.9615E+00	.9615E+0C	.826226E+0C	.884C67E+C0	-.578525E-C1	-.954437E+00
10	.9589E+00	.8904E+0C	.697530E+0C	.5EE578E+C0	.11005CE+CC	-.180105E+01
9	.9518E+00	.8249E+0C	.610983E+0C	.2C5998E+00	.4C8445E+CC	-.246343E+C1
8	.9412E+00	.7647E+0C	.575206E+0C	.3E9629E-C1	.541186E+CC	-.276514E+01
7	.9279E+00	.7096E+00	.566572E+0C	.497C20E-02	.566034E+CC	-.284821E+C1
6	.9128E+00	.6592E+00	.570386E+0C	.4E4C95E-03	.574816E+CC	-.280721E+01
5	.8962E+00	.6132E+0C	.591029E+0C	.36CCC7E-C4	.5950246E+CC	-.262945E+C1
4	.8787E+00	.5712E+0C	.638697E+0C	.194779E-C5	.639446E+CC	-.225731E+01
3						

CYLINDER

$R/\lambda = 20$ $T_e/T_i = 5$ $V/C_i = 8$ $e\phi_s/KT_e = -1$

Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.86C7E+00	.5328E+0C	.71416CE+CC	.9CC65CE-C7	.715467E+CC	-.168324E+01
.8423E+00	.4977E+00	.818731E+0C	.1CCCCCE+01	.CCCJCCE+CC	-.1CCCCCE+01
.8238E+00	.4656E+00	.818731E+CC	.1CCCCCE+01	.CCCCCCE+CC	-.100CCCE+01
.1269E+00	.1777E+01	.100CCCE+01	.1CCCCCE+C1	.149012E-C6	-.254176E-06
.25C0E+00	.175CE+C1	.1000CCE+01	.1CCCCCE+C1	.141561E-C6	-.3101C7E-06
.3659E+00	.17C7E+01	.100CCCE+01	.1CCCC0E+C1	-.1043C6E-C5	.134393E-06
.4717E+00	.1C51E+C1	.10000CE+C1	.9999S8E+00	-.186265E-C6	.2178C6E-05
.565EE+00	.1584E+01	.999958E+CC	.1CCCC1E+01	.520051E-C5	-.104151E-04
.6466E+00	.15C9E+01	.999997E+CC	.1CCCC1E+C1	-.2C2283E-C4	-.144458E-04
.7143E+00	.1429E+01	.999985E+CC	.1CCCC5E+C1	-.964031E-C4	-.529334E-04
.7692E+00	.1346E+C1	.999926E+CC	.1CCC37E+01	-.399925E-C3	-.367539E-03
.8123E+00	.1264E+01	.999813E+0C	.1CC193E+C1	-.230171E-C2	-.193311E-02
.8446E+00	.1182E+01	.998054E+CC	.1CC979E+01	-.120054E-C1	-.974147E-02
.8675E+00	.11C4E+01	.990544E+CC	.1C4EC5E+C1	-.58363CE-C1	-.475053E-01
.8824E+00	.1029E+01	.957C2E+CC	.1245C4E+01	-.290217E+CC	-.219653E+00
.89C4E+00	.9589E+00	.819557E+CC	.878C72E+C0	-.587452E-C1	-.994955E+00
.8929E+00	.8929E+0C	.694044E+CC	.555615E+C0	.135483E+CC	-.18261CE+01
.89C7E+00	.8314E+0C	.611588E+CC	.182C38E+00	.4329C5E+CC	-.245848E+01
.8850E+00	.7743E+C0	.578C67E+CC	.327622E-C1	.549975E+CC	-.274033E+01
.8763E+00	.7216E+0C	.571836E+CC	.3945S1E-C2	.572718E+CC	-.279452E+01
.8654E+00	.6731E+00	.564421E+0C	.341877E-C3	.588316E+C0	-.268567E+01
.8528E+00	.6284E+00	.622256E+CC	.155214E-C4	.625349E+CC	-.237200E+01
.8389E+00	.5872E+0C	.700662E+0C	.678484E-C6	.702264E+CC	-.177865E+01
.8242E+00	.5495E+0C	.818731E+0C	.1CCCCCE+01	.CCCCCCE+CC	-.1000CCE+01
.8088E+00	.5147E+CC	.818731E+0C	.1CCCC0E+C1	.CCC0CCE+CC	-.10000CE+01
.7931E+00	.4828E+0C	.818731E+0C	.1CCCCCE+01	.CCCJC0E+CC	-.1CJ0C0E+01
.11C6E+00	.1659E+01	.1000CCE+C1	.1CCCCCE+C1	-.271946E-C5	.514218E-07
.2183E+00	.1638E+01	.1000CCE+C1	.1CCCCCE+C1	-.179555E-C5	-.432200E-06
.32C5E+00	.16C3E+01	.100CCCE+01	.999997E+00	-.149012E-C6	.281651E-05
.4149E+00	.1556E+C1	.999994E+0C	.1CCCC3E+C1	.162348E-C4	-.305914E-04
.50C0E+00	.150CE+01	.1000CCE+01	.999993E+C0	-.7C2813E-C4	.7C97C0E-05
.5747E+00	.1437E+01	.999994E+CC	.1CCCC3E+01	-.588521E-C4	-.292922E-04
.6387E+00	.1369E+01	.999956E+CC	.1CCC22E+C1	-.1951C8E-C3	-.22C201E-03
.692CE+00	.1298E+01	.999822E+0C	.1CCC69E+01	-.1093C3E-C2	-.889412E-03
.7353E+00	.1225E+01	.9992C4E+CC	.1CC399E+C1	-.47016CE-C2	-.397907E-02
.7692E+00	.1154E+01	.9966C5E+0C	.1C1684E+01	-.2C5598E-C1	-.167031E-01
.7948E+00	.1C84E+01	.986591E+0C	.1C6983E+01	-.851028E-C1	-.675010E-01
.8130E+00	.1C16E+01	.947012E+CC	.131287E+01	-.366C84E+CC	-.272217E+00
.8249E+00	.9518E+0C	.803528E+CC	.812755E+C0	-.939798E-C2	-.1C9372E+01
.8314E+00	.89C7E+00	.683984E+CC	.482744E+00	.202435E+CC	-.189910E+01
.8333E+00	.8333E+0C	.610356E+CC	.139944E+00	.473659E+CC	-.246857E+01
.8316E+00	.7796E+00	.582747E+0C	.2282556-01	.5641795+CC	-.270001E+01
.8268E+00	.7296E+00	.583251E+CC	.246C1CE-C2	.58496CE+CC	-.269569E+01
.8197E+00	.6831E+00	.608147E+CC	.179E34E-C3	.611331E+CC	-.248669E+01
.81C6E+00	.6399E+0C	.67081CE+CC	.7845226-05	.672852E+CC	-.199634E+01
.80C0E+00	.6CCCE+0C	.818731E+0C	.1CCCC0E+C1	.CCC0CCE+CC	-.10C0C0E+01
.7883E+00	.5e31E+0C	.818731E+CC	.1CCCCCE+01	.CCCJC0E+CC	-.10C000E+01
.7757E+00	.5289E+0C	.818731E+0C	.1CCCCCE+C1	.CCC0CCE+C0	-.1000CCE+01
.7626E+00	.4973E+0C	.818731E+CC	.1CCCCCE+01	.CCC0CCE+CC	-.1000CCE+01
.9728E-01	.1556E+C1	.999997E+CC	.1CCCC1E+01	-.223517E-C5	-.132278E-04
.1923E+00	.1538E+01	.999998E+CC	.10CCC1E+01	-.738353E-C5	-.924040E-05
.2830E+00	.1505E+01	.999985E+CC	.1CCCC5E+C1	.851CC1E-C5	-.532377E-04
.3670E+00	.1471E+01	.100001E+01	.999965E+00	-.157756E-C3	.349723E-04
.4448E+00	.1423E+01	.999991E+0C	.1CCCC5E+01	.14E863E-C4	-.450658E-04
.5137E+00	.137CE+01	.999995E+CC	.1CCC22E+01	-.141336E-C3	-.219734E-03
.5738E+00	.1311E+01	.999872E+CC	.1CCC64E+C1	-.777774E-C3	-.637880E-03
.625CE+00	.1250E+01	.999533E+0C	.1CC234E+01	-.276014E-C2	-.233582E-02
.6677E+00	.1187E+01	.998240E+CC	.1CC8E5E+C1	-.1048E7E-C1	-.880792E-02
.7022E+00	.1124E+01	.993886E+CC	.1C3114E+01	-.395265E-C1	-.3C6628E-01
.7294E+00	.1C61E+01	.976115E+0C	.111695E+01	-.1383E5E+CC	-.110642E+00

CYLINDER

$R/\lambda = 20$ $\quad T_e/T_i = 5$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -1$

	Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
	.75C0E+00	.10CCE+01	.927427E+CC	.145746E+01	-.533832E+CC	-.376706E+00
	.7647E+00	.9412E+CC	.781916E+C0	.7645C9E+C0	.1729E7E-C1	-.123004E+01
	.7743E+00	.885CE+0C	.671243E+CC	.271214E+00	.301325E+CC	-.199312E+01
	.7796E+00	.8316E+0C	.610704E+CC	.892043E-C1	.5244C5E+CC	-.246571E+01
	.7813E+00	.7813E+00	.592940E+CC	.123653E-01	.584174E+CC	-.261331E+01
	.7798E+00	.7339E+0C	.604357E+CC	.111879E-C2	.606512E+CC	-.251795E+01
	.7759E+00	.6897E+00	.643653E+CC	.695531E-04	.645954E+CC	-.220298E+01
	.7659E+00	.6483E+0C	.716507E+CC	.352814E-05	.717685E+CC	-.166683E+01
	.7622E+00	.6C98E+0C	.818731E+0C	.1CCCC0E+01	.CCCCCCE+CC	-.1CCCCCE+01
	.7532E+00	.5739E+0C	.818731E+0C	.1CCCCCE+01	.CCCCCCE+CC	-.1CCCCCE+01
	.7432E+00	.54C5E+0C	.818731E+0C	.1CCCCCE+C1	.CCCCCCE+CC	-.1CCCCCE+01
	.7325E+00	.5C96E+00	.818731E+CC	.1CCCCCE+01	.CCCCCCE+CC	-.1CCCCCE+01
	.8621E-01	.1466E+01	.999994E+0C	.1CCCC3E+01	-.894144E-C4	-.323139E-04
	.17C5E+00	.1451E+01	.999988E+0C	.1CCCC6E+C1	-.778735E-C4	-.612410E-04
	.2517E+00	.142CE+01	.999955E+0C	.1CCCCCE+01	-.211328E-C3	-.299607E-05
	.3279E+00	.1393E+01	.999981E+CC	.1CCCC9E+01	.862032E-C5	-.927901E-04
	.3981E+00	.1354E+01	.999934E+CC	.1CCC33E+C1	-.188947E-C3	-.331197E-03
	.4615E+00	.13C8E+01	.999869E+0C	.1CCC65E+01	-.866510E-C3	-.654071E-03
	.5178E+00	.1257E+01	.999632E+CC	.1CC184E+C1	-.227161E-C2	-.184158E-02
	.566CE+00	.1204E+01	.99882CE+CC	.1CC592E+C1	-.707249E-C2	-.590155E-02
	.6081E+00	.1149E+01	.996169E+0C	.1C1938E+01	-.236572E-C1	-.191913E-01
	.6427E+00	.1093E+01	.98786CE+0C	.1C6298E+C1	-.788CCEE-C1	-.610719E-01
	.67C7E+00	.1C37E+01	.958955E+CC	.123313E+C1	-.273225E+CC	-.209554E+00
	.6928E+00	.9815E+0C	.865165E+0C	.954401E+C0	-.896667E-C1	-.724173E+00
	.7096E+00	.9279E+0C	.749539E+C0	.653220E+00	.963485E-C1	-.144149E+01
	.7216E+00	.8763E+0C	.659584E+CC	.233900E+00	.427355E+CC	-.207770E+01
	.7296E+00	.8268E+0C	.618309E+0C	.425C6CE-01	.578221E+CC	-.240384E+01
	.7339E+00	.7798E+0C	.615188E+0C	.462829E-02	.613227E+CC	-.242914E+01
	.7353E+00	.7353E+00	.64447CE+CC	.315652E-03	.646323E+CC	-.219663E+01
	.7341E+00	.6933E+00	.709361E+0C	.138C81E-C4	.71C574E+CC	-.171696E+01
	.73C8E+00	.6538E+0C	.818731E+CC	.1CCCCCE+01	.CCCCCCE+CC	-.1CCCCCE+01
	.7257E+00	.6168E+0C	.818731E+CC	.1CCCCCE+C1	.CCCCCCE+CC	-.1CCCCCE+01
	.7192E+00	.5822E+00	.818731E+0C	.1CCCCCE+01	.CCCCCCE+CC	-.1CCCCCE+01
	.7115E+00	.5498E+0C	.818731E+0C	.1CCCCCE+C1	.CCCCCCE+CC	-.1CCCCCE+01
	.7029E+00	.5196E+00	.818731E+0C	.1CCCCCE+01	.CCCCCCE+CC	-.1CCCCCE+01
	.7692E-01	.1385E+01	.999935E+0C	.1CCC32E+C1	-.236347E-C3	-.324274E-03
	.1524E+00	.1372E+01	.999941E+0C	.1CCC3CE+C1	-.298522E-C3	-.294985E-03
	.2252E+00	.1351E+01	.999941E+0C	.1CCC29E+01	-.319041E-C3	-.294500E-03
	.2941E+00	.1324E+01	.999865E+0C	.1CCC68E+01	-.412002E-C3	-.675077E-03
	.3582E+00	.1289E+01	.999800E+0C	.1CC100E+C1	-.135033E-C2	-.100007E-02
	.4167E+00	.1250E+01	.999592E+0C	.1CC204E+01	-.260244E-C2	-.203853E-02
	.4692E+00	.12C6E+01	.998976E+0C	.1CC514E+01	-.617185E-C2	-.512353E-02
	.5155E+00	.1160E+01	.997180E+0C	.1C1422E+01	-.169766E-C1	-.141200E-01
	.5556E+00	.1111E+01	.992309E+0C	.1C3936E+01	-.501665E-C1	-.386046E-C1
	.5896E+00	.1061E+01	.976693E+CC	.112515E+C1	-.145289E+CC	-.117916E+00
	.6180E+00	.1011E+01	.933211E+0C	.141286E+01	-.480588E+CC	-.345617E+00
	.6410E+00	.9615E+00	.820980E+CC	.821561E+00	-.816807E-C3	-.986285E+00
	.6592E+00	.9128E+0C	.721723E+CC	.422307E+00	.299620E+CC	-.163057E+01
	.6731E+00	.8654E+00	.660043E+0C	.1C1419E+00	.559666E+CC	-.207725E+01
	.6831E+00	.8197E+0C	.642370E+CC	.128365E-C1	.631159E+CC	-.221296E+01
	.6897E+00	.7759E+00	.657615E+0C	.105241E-C2	.658155E+CC	-.209568E+01
12	.6933E+00	.7341E+0C	.713C54E+CC	.51C655E-C4	.714017E+CC	-.169099E+01
11	.6944E+00	.6944E+00	.818731E+0C	.1CCCCCE+C1	.CCCCCCE+CC	-.1CCCCCE+01
10	.6934E+00	.6569E+00	.818731E+0C	.1CCCCCE+C1	.CCCCCCE+CC	-.1CCCCCE+01
9	.69C6E+00	.6215E+0C	.818731E+CC	.1CCCCCE+01	.CCCCCCE+CC	-.1CCCCCE+01
8	.6863E+00	.5882E+0C	.818731E+0C	.1CCCCCE+01	.CCCCCCE+CC	-.1CCCCCE+01
7	.68C7E+00	.5569E+0C	.818731E+CC	.1CCCCCE+C1	.CCCCCCE+CC	-.1CCCCCE+01
6	.6741E+00	.5275E+0C	.818731E+CC	.1CCCCCE+C1	.CCCCCCE+CC	-.1CCCCCE+01
5	.69C6E-01	.1312E+01	.999797E+CC	.1CC102E+01	-.165968E-C2	-.101755E-02
4	.1370E+00	.1301E+01	.999781E+CC	.1CC11CE+C1	-.151212E-C2	-.109753E-02

CYLINDER

$R/\lambda = 20$ $\quad T_e/T_i = 5$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -1$

Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.2027E+00	.1284E+01	.999688E+00	.100156E+01	-.153294E-02	-.156144E-02
.2653E+00	.1260E+01	.999595E+00	.100203E+01	-.274666E-02	-.282467E-02
.3238E+00	.1231E+01	.999348E+00	.100327E+01	-.424913E-02	-.326144E-02
.3778E+00	.1196E+01	.998728E+00	.100639E+01	-.762771E-02	-.636505E-02
.4268E+00	.1159E+01	.997256E+00	.101383E+01	-.164509E-01	-.137395E-01
.4706E+00	.1118E+01	.993631E+00	.103246E+01	-.395524E-01	-.319471E-01
.5096E+00	.1075E+01	.983495E+00	.108660E+01	-.101971E+00	-.832382E-01
.5423E+00	.1030E+01	.955377E+00	.125639E+01	-.299868E+00	-.228245E+00
.5705E+00	.9855E+00	.873879E+00	.948508E+00	-.746326E-01	-.674066E+00
.5941E+00	.9406E+00	.779366E+00	.577942E+00	.201406E+00	-.124641E+01
.6132E+00	.8962E+00	.708806E+00	.181452E+00	.527597E+00	-.172087E+01
.6284E+00	.8528E+00	.682728E+00	.252369E-01	.657109E+00	-.190829E+01
.6399E+00	.8106E+00	.697248E+00	.191727E-02	.696108E+00	-.180307E+01
.6483E+00	.7699E+00	.727045E+00	.138174E-03	.727537E+00	-.159383E+01
.6538E+00	.7308E+00	.818731E+00	.100000E+01	.000000E+00	-.100000E+01
.6569E+00	.6934E+00	.818731E+00	.100000E+01	.000000E+00	-.100000E+01
.6579E+00	.6579E+00	.818731E+00	.100000E+01	.000000E+00	-.100000E+01
.6570E+00	.6242E+00	.818731E+00	.100000E+01	.000000E+00	-.100000E+01
.6546E+00	.5923E+00	.818731E+00	.100000E+01	.000000E+00	-.100000E+01
.6509E+00	.5621E+00	.818731E+00	.100000E+01	.000000E+00	-.100000E+01
.6461E+00	.5337E+00	.818731E+00	.100000E+01	.000000E+00	-.100000E+01
.6234E-01	.1247E+01	.998958E+00	.100502E+01	-.459287E-02	-.501210E-02
.1238E+00	.1238E+01	.999058E+00	.100476E+01	-.551613E-02	-.473775E-02
.1834E+00	.1222E+01	.998937E+00	.100533E+01	-.654005E-02	-.531658E-02
.2404E+00	.1202E+01	.998591E+00	.100707E+01	-.855709E-02	-.704909E-02
.2941E+00	.1176E+01	.997852E+00	.101091E+01	-.129956E-01	-.108519E-01
.3440E+00	.1147E+01	.996267E+00	.101887E+01	-.225172E-01	-.186981E-01
.3898E+00	.1114E+01	.992961E+00	.103595E+01	-.430777E-01	-.353188E-01
.4310E+00	.1078E+01	.985337E+00	.107665E+01	-.897237E-01	-.738556E-01
.4678E+00	.1040E+01	.967468E+00	.117982E+01	-.212017E+00	-.165364E+00
.5000E+00	.1000E+01	.924903E+00	.147747E+01	-.552394E+00	-.390332E+00
.5278E+00	.9597E+00	.825866E+00	.624165E+00	.201765E+00	-.956612E+00
.5515E+00	.9191E+00	.754402E+00	.245634E+00	.508804E+00	-.140915E+01
.5712E+00	.8787E+00	.720875E+00	.415597E-01	.679462E+00	-.163645E+01
.5872E+00	.8389E+00	.738520E+00	.299153E-02	.735729E+00	-.151554E+01
.6000E+00	.8000E+00	.818731E+00	.100000E+01	.000000E+00	-.100000E+01
.6098E+00	.7622E+00	.818731E+00	.100000E+01	.000000E+00	-.100000E+01
.6168E+00	.7257E+00	.818731E+00	.100000E+01	.000000E+00	-.100000E+01
.6215E+00	.6906E+00	.818731E+00	.100000E+01	.000000E+00	-.100000E+01
.6242E+00	.6570E+00	.818731E+00	.100000E+01	.000000E+00	-.100000E+01
.6250E+00	.6250E+00	.818731E+00	.100000E+01	.000000E+00	-.100000E+01
.6243E+00	.5945E+00	.818731E+00	.100000E+01	.000000E+00	-.100000E+01
.6222E+00	.5656E+00	.818731E+00	.100000E+01	.000000E+00	-.100000E+01
.6189E+00	.5382E+00	.818731E+00	.100000E+01	.000000E+00	-.100000E+01
.5656E-01	.1188E+01	.996843E+00	.101554E+01	-.202646E-01	-.158117E-01
.1124E+00	.1180E+01	.996841E+00	.101555E+01	-.191395E-01	-.158221E-01
.1667E+00	.1167E+01	.996485E+00	.101776E+01	-.213236E-01	-.176077E-01
.2188E+00	.1149E+01	.995541E+00	.102260E+01	-.271733E-01	-.223458E-01
.2682E+00	.1127E+01	.993583E+00	.103271E+01	-.394496E-01	-.321903E-01
.3145E+00	.1101E+01	.989762E+00	.105280E+01	-.634408E-01	-.514552E-01
.3571E+00	.1071E+01	.981832E+00	.109601E+01	-.111598E+00	-.916766E-01
12 .3960E+00	.1040E+01	.967347E+00	.118056E+01	-.214142E+00	-.165992E+00
11 .4310E+00	.1000E+01	.933629E+00	.140971E+01	-.475648E+00	-.343383E+00
10 .4621E+00	.9704E+00	.858265E+00	.894142E+00	.164187E+00	-.764190E+00
9 .4893E+00	.9342E+00	.791693E+00	.275005E+00	.516741E+00	-.116791E+01
8 .5128E+00	.8974E+00	.760912E+00	.479598E-01	.712598E+00	-.136882E+01
7 .5328E+00	.8607E+00	.759115E+00	.489698E-02	.754267E+00	-.137801E+01
6 .5495E+00	.8242E+00	.818731E+00	.100000E+01	.000000E+00	-.100000E+01
5 .5631E+00	.7883E+00	.818731E+00	.100000E+01	.000000E+00	-.100000E+01
4 .5739E+00	.7532E+00	.818731E+00	.100000E+01	.000000E+00	-.100000E+01

CYLINDER

$R/\lambda = 20$ $T_e/T_i = 5$ $V/C_i = 8$ $e\phi_s/KT_e = -1$

Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.5822E+00	.7192E+00	.818731E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.5882E+00	.6863E+00	.818731E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.5923E+00	.6546E+00	.818731E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.5945E+00	.6243E+00	.818731E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.5952E+00	.5952E+00	.818731E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.5946E+00	.5676E+00	.818731E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.5928E+00	.5412E+00	.818731E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.5155E-01	.1134E+01	.990013E+00	.1051476E+01	-.612775E-01	-.501884E-01
.1025E+00	.1127E+01	.990238E+00	.1050328E+01	-.602893E-01	-.490908E-01
.1521E+00	.1116E+01	.989421E+00	.1054616E+01	-.652125E-01	-.531747E-01
.2000E+00	.1100E+01	.987309E+00	.1066594E+01	-.788059E-01	-.638595E-01
.2456E+00	.1081E+01	.982161E+00	.1094186E+01	-.111147E+00	-.900023E-01
.2885E+00	.1058E+01	.972992E+00	.1146716E+01	-.173506E+00	-.1368966E+00
.3283E+00	.1032E+01	.955357E+00	.1256526E+01	-.300111E+00	-.2283495E+00
.365CE+00	.1004E+01	.929569E+00	.1440766E+01	-.511976E+00	-.365169E+00
.3982E+00	.9735E+00	.866826E+00	.1656956E+00	.197131E+00	-.714586E+00
.4281E+00	.9418E+00	.816237E+00	.2584306E+00	.557827E+00	-.101525E+01
.4545E+00	.9091E+00	.790824E+00	.4356446E-01	.747276E+00	-.117340E+01
.4777E+00	.8758E+00	.818731E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.4977E+00	.8423E+00	.818731E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.5147E+00	.8088E+00	.818731E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.5285E+00	.7757E+00	.818731E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.5405E+00	.7432E+00	.818731E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.5498E+00	.7115E+00	.818731E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.5569E+00	.6807E+00	.818731E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.5621E+00	.6509E+00	.818731E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.5656E+00	.6222E+00	.818731E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.5676E+00	.5946E+00	.818731E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.5682E+00	.5682E+00	.818731E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.5676E+00	.5429E+00	.818731E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.4717E-01	.1085E+01	.971717E+00	.1154256E+01	-.182171E+00	-.143453E+00
.9381E-01	.1079E+01	.972255E+00	.1151066E+01	-.178823E+00	-.140684E+00
.1394E+00	.1069E+01	.970984E+00	.1158626E+01	-.189006E+00	-.147228E+00
.1835E+00	.1055E+01	.965948E+00	.1189136E+01	-.220247E+00	-.173226E+00
.2256E+00	.1038E+01	.953978E+00	.1265636E+01	-.311743E+00	-.235573E+00
.2655E+00	.1018E+01	.935116E+00	.1398586E+01	-.462775E+00	-.335456E+00
.3028E+00	.9948E+00	.889739E+00	.8971896E+00	-.744858E-02	-.584134E+00
.3373E+00	.9696E+00	.855888E+00	.5986236E+00	.257227E+00	-.778081E+00
.3689E+00	.9426E+00	.821981E+00	.1847196E+00	.637248E+00	-.980192E+00
.3975E+00	.9141E+00	.818731E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.4231E+00	.8846E+00	.818731E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.4458E+00	.8544E+00	.818731E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.4656E+00	.8238E+00	.818731E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.4828E+00	.7931E+00	.818731E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.4973E+00	.7626E+00	.818731E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.5096E+00	.7325E+00	.818731E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.5196E+00	.7029E+00	.818731E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.5275E+00	.6741E+00	.818731E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.5337E+00	.6461E+00	.818731E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.5382E+00	.6189E+00	.818731E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.5412E+00	.5928E+00	.818731E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.5429E+00	.5676E+00	.818731E+00	.1000000E+01	.0000000E+00	-.1000000E+01
.5435E+00	.5435E+00	.818731E+00	.1000000E+01	.0000000E+00	-.1000000E+01

CYLINDER

$R/\lambda = 20$ $T_e/T_i = 1.2$ $V/C_i = 8$ $e\phi_s/KT_e = -1$

	Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
	.2500E+02	.0000E+00	.114038E+01	.114038E+01	-.253320E-05	.157632E+00
	.1250E+02	.0000E+00	.996354E+00	.996375E+00	-.210255E-04	-.438335E-02
	.8333E+01	.0000E+00	.658579E+00	.658802E+00	-.541985E-03	-.501205E+00
	.6250E+01	.0000E+00	.323670E+00	.351797E+00	-.321036E-01	-.135364E+01
	.5000E+01	.0000E+00	.181281E+00	.157274E+00	.244300E-01	-.204925E+01
	.4167E+01	.0000E+00	.144647E+00	.608102E-01	.851774E-01	-.232015E+01
	.3571E+01	.0000E+00	.131143E+00	.209460E-01	.111761E+00	-.243776E+01
	.3125E+01	.0000E+00	.125318E+00	.655425E-02	.120496E+00	-.249228E+01
	.2778E+01	.0000E+00	.123325E+00	.189333E-02	.123234E+00	-.251152E+01
	.2500E+01	.0000E+00	.122755E+00	.512983E-03	.124078E+00	-.251707E+01
12	.2273E+01	.0000E+00	.122696E+00	.132332E-03	.124417E+00	-.251766E+01
11	.2083E+01	.0000E+00	.122806E+00	.329535E-04	.124637E+00	-.251658E+01
10	.1923E+01	.0000E+00	.122972E+00	.801078E-05	.124837E+00	-.251496E+01
9	.1786E+01	.0000E+00	.123163E+00	.191814E-05	.125040E+00	-.251310E+01
8	.1667E+01	.0000E+00	.123371E+00	.457867E-06	.125256E+00	-.251107E+01
7	.1563E+01	.0000E+00	.123604E+00	.111835E-06	.125494E+00	-.250880E+01
6	.1471E+01	.0000E+00	.123907E+00	.291741E-07	.125796E+00	-.250587E+01
5	.1389E+01	.0000E+00	.124465E+00	.972501E-08	.126338E+00	-.250047E+01
4	.1316E+01	.0000E+00	.125834E+00	.419738E-08	.127658E+00	-.248735E+01
3						

CYLINDER

$R/\lambda = 20$ $T_e/T_i = 1.2$ $V/C_i = 8$ $e\phi_s/KT_e = -1$

Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.1250E+01	.0000E+00	.129320E+00	.301815E-08	.131039E+00	-.245456E+01
.1190E+01	.0000E+00	.137501E+00	.266973E-08	.139054E+00	-.238095E+01
.1136E+01	.0000E+00	.155110E+00	.154202E-08	.156438E+00	-.223634E+01
.1087E+01	.0000E+00	.191212E+00	.132912E-08	.192265E+00	-.198525E+01
.1250E+02	.1250E+02	.100000E+01	.999999E+00	.253320E-05	.137670E-05
.1000E+02	.5000E+01	.100000E+01	.100000E+01	-.469387E-06	-.244289E-06
.7500E+01	.2500E+01	.999909E+00	.100011E+01	-.200719E-03	-.109393E-03
.5882E+01	.1471E+01	.999375E+00	.100075E+01	-.139135E-02	-.750050E-03
.4808E+01	.9615E+00	.113846E+01	.114633E+01	-.785586E-02	.155615E+00
.4054E+01	.6757E+00	.821288E+00	.835339E+00	-.140659E-01	-.236258E+00
.3500E+01	.5000E+00	.329378E+00	.347534E+00	-.211546E-01	-.133266E+01
.3077E+01	.3846E+00	.161225E+00	.938227E-01	.683032E-01	-.218995E+01
.2744E+01	.3049E+00	.131775E+00	.200240E-01	.113288E+00	-.243199E+01
.2475E+01	.2475E+00	.124598E+00	.370186E-02	.122630E+00	-.249919E+01
.2254E+01	.2049E+00	.122805E+00	.623075E-03	.123984E+00	-.251659E+01
.2069E+01	.1724E+00	.122407E+00	.985880E-04	.124137E+00	-.252048E+01
.1912E+01	.1471E+00	.122396E+00	.149980E-04	.124221E+00	-.252059E+01
.1777E+01	.1269E+00	.122508E+00	.222080E-05	.124352E+00	-.251950E+01
.1659E+01	.1106E+00	.122672E+00	.321505E-06	.124523E+00	-.251789E+01
.1556E+01	.9728E-01	.122875E+00	.469398E-07	.124730E+00	-.251590E+01
.1466E+01	.8621E-01	.123160E+00	.763189E-08	.125013E+00	-.251312E+01
.1385E+01	.7692E-01	.123717E+00	.178901E-08	.125552E+00	-.250771E+01
.1312E+01	.6906E-01	.125115E+00	.997900E-09	.126899E+00	-.249423E+01
.1247E+01	.6234E-01	.128677E+00	.493502E-09	.130356E+00	-.246054E+01
.1188E+01	.5656E-01	.136992E+00	.465898E-09	.138506E+00	-.238540E+01
.1134E+01	.5155E-01	.154784E+00	.296992E-09	.156077E+00	-.223887E+01
.1085E+01	.4717E-01	.191086E+00	.166446E-09	.192112E+00	-.198604E+01
.5000E+01	.1000E+02	.100000E+01	.100000E+01	-.745058E-08	.356327E-08
.6250E+01	.6250E+01	.100000E+01	.100000E+01	-.745058E-08	.399443E-09
.5769E+01	.3846E+01	.100000E+01	.100000E+01	-.670552E-07	-.449031E-07
.5000E+01	.2500E+01	.100000E+01	.100000E+01	-.745058E-06	-.414766E-06
.4310E+01	.1724E+01	.100023E+01	.999718E+00	.515856E-03	.281632E-03
.3750E+01	.1250E+01	.999115E+00	.100106E+01	-.194836E-02	-.106225E-02
.3302E+01	.9434E+00	.941398E+00	.958248E+00	-.169752E-01	-.724667E-01
.2941E+01	.7353E+00	.686940E+00	.724737E+00	-.378392E-01	-.450610E+00
.2647E+01	.5882E+00	.271151E+00	.263440E+00	.635448E-02	-.156610E+01
.2404E+01	.4808E+00	.153047E+00	.602277E-01	.937658E-01	-.225241E+01
.2200E+01	.4000E+00	.129402E+00	.106794E-01	.120282E+00	-.245380E+01
.2027E+01	.3378E+00	.123952E+00	.163815E-02	.124058E+00	-.250543E+01
.1879E+01	.2890E+00	.122635E+00	.230555E-03	.124209E+00	-.251825E+01
.1750E+01	.2500E+00	.122351E+00	.309150E-04	.124144E+00	-.252104E+01
.1638E+01	.2183E+00	.122360E+00	.404064E-05	.124188E+00	-.252095E+01
.1538E+01	.1923E+00	.122483E+00	.519998E-06	.124318E+00	-.251974E+01
.1451E+01	.1706E+00	.122721E+00	.670095E-07	.124553E+00	-.251741E+01
.1372E+01	.1524E+00	.123268E+00	.952003E-08	.125078E+00	-.251208E+01
.1301E+01	.1370E+00	.124717E+00	.195211E-08	.126472E+00	-.249805E+01
.1238E+01	.1238E+00	.128425E+00	.101206E-08	.130072E+00	-.246289E+01
.1180E+01	.1124E+00	.137006E+00	.488572E-09	.133485E+00	-.238527E+01
.1127E+01	.1025E+00	.155167E+00	.442848E-09	.156426E+00	-.223590E+01
.1079E+01	.9381E-01	.191849E+00	.258900E-09	.192843E+00	-.198126E+01
.2500E+01	.7500E+01	.100000E+01	.100000E+01	.745058E-08	-.118158E-08
.3846E+01	.5769E+01	.100000E+01	.100000E+01	.745058E-08	-.255962E-08
.4167E+01	.4167E+01	.100000E+01	.100000E+01	.745058E-08	-.242871E-08
.4000E+01	.3000E+01	.100000E+01	.100000E+01	.745058E-08	.720257E-09
.3676E+01	.2206E+01	.100000E+01	.999999E+00	.121444E-05	.703778E-06
.3333E+01	.1667E+01	.999994E+00	.100001E+01	-.128835E-04	-.720656E-05
.3017E+01	.1293E+01	.999518E+00	.100058E+01	-.106447E-02	-.573675E-03
.2740E+01	.1027E+01	.992712E+00	.100882E+01	-.161166E-01	-.877752E-02
.2500E+01	.8333E+00	.754006E+00	.801902E+00	-.482279E-01	-.338827E+00
.2294E+01	.6881E+00	.357870E+00	.370457E+00	-.135479E-01	-.123310E+01

CYLINDER

$R/\lambda = 20$ $\quad T_e/T_i = 1.2$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -1$

	Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
	.2115E+01	.5769E+00	.174866E+00	.914532E-01	.838718E-01	-.209248E+01
	.1961E+01	.4902E+00	.134563E+00	.160386E-01	.119904E+00	-.240687E+01
	.1826E+01	.4213E+00	.125311E+00	.232732E-02	.124662E+00	-.249235E+01
	.1707E+01	.3659E+00	.123019E+00	.303121E-03	.124494E+00	-.251450E+01
	.1603E+01	.3205E+00	.122449E+00	.372694E-04	.124222E+00	-.252007E+01
	.1509E+01	.2830E+00	.122369E+00	.446047E-05	.124185E+00	-.252086E+01
	.1426E+01	.2517E+00	.122526E+00	.526656E-06	.124342E+00	-.251932E+01
	.1351E+01	.2252E+00	.123069E+00	.625743E-07	.124861E+00	-.251402E+01
	.1284E+01	.2027E+00	.124622E+00	.838347E-08	.126353E+00	-.249897E+01
	.1222E+01	.1834E+00	.129600E+00	.173714E-08	.130216E+00	-.246125E+01
	.1167E+01	.1667E+00	.137665E+00	.960273E-09	.139107E+00	-.237952E+01
	.1116E+01	.1521E+00	.156509E+00	.454771E-09	.157729E+00	-.222557E+01
	.1069E+01	.1394E+00	.193909E+00	.381398E-09	.194866E+00	-.196844E+01
	.1471E+01	.5882E+01	.100000E+01	.100000E+01	.745058E-08	-.410837E-08
	.2500E+01	.5000E+01	.100000E+01	.100000E+01	.745058E-08	-.406433E-08
	.3000E+01	.4000E+01	.100000E+01	.100000E+01	.745058E-08	-.235132E-08
	.3125E+01	.3125E+01	.100000E+01	.100000E+01	.745058E-08	-.262723E-08
	.3049E+01	.2439E+01	.100000E+01	.100000E+01	.745058E-08	.332552E-08
	.2885E+01	.1923E+01	.100000E+01	.100000E+01	-.104308E-06	-.117109E-06
	.2692E+01	.1538E+01	.999994E+00	.100001E+01	-.146031E-04	-.775487E-05
	.2500E+01	.1250E+01	.999748E+00	.100030E+01	-.553936E-03	-.301861E-03
	.2320E+01	.1031E+01	.988396E+00	.101410E+01	-.257459E-01	-.140060E-01
	.2155E+01	.8621E+00	.717179E+00	.767896E+00	-.510067E-01	-.398916E+00
	.2007E+01	.7299E+00	.351715E+00	.365043E+00	-.137830E-01	-.125392E+01
	.1875E+01	.6250E+00	.179586E+00	.899300E-01	.901283E-01	-.206052E+01
	.1757E+01	.5405E+00	.136644E+00	.151837E-01	.122778E+00	-.238845E+01
	.1651E+01	.4717E+00	.126100E+00	.208080E-02	.125662E+00	-.248481E+01
	.1556E+01	.4149E+00	.123333E+00	.253827E-03	.124837E+00	-.251144E+01
	.1471E+01	.3676E+00	.122604E+00	.291793E-04	.124371E+00	-.251855E+01
	.1393E+01	.3279E+00	.122560E+00	.326766E-05	.124357E+00	-.251899E+01
	.1324E+01	.2941E+00	.123099E+00	.360893E-06	.124874E+00	-.251372E+01
	.1260E+01	.2653E+00	.124846E+00	.408940E-07	.126552E+00	-.249681E+01
	.1202E+01	.2404E+00	.129300E+00	.556741E-08	.130882E+00	-.245474E+01
	.1149E+01	.2188E+00	.139219E+00	.134271E-08	.140620E+00	-.236605E+01
	.1100E+01	.2000E+00	.159342E+00	.850477E-09	.160517E+00	-.220404E+01
	.1055E+01	.1835E+00	.198250E+00	.381199E-09	.199161E+00	-.194187E+01
	.9615E+00	.4808E+01	.100000E+01	.100000E+01	.745058E-08	-.301991E-08
	.1724E+01	.4310E+01	.100000E+01	.100000E+01	.745058E-08	-.446978E-08
	.2206E+01	.3676E+01	.100000E+01	.100000E+01	.745058E-08	-.523315E-08
	.2439E+01	.3049E+01	.100000E+01	.100000E+01	.745058E-08	-.174324E-08
	.2500E+01	.2500E+01	.100000E+01	.100000E+01	.745058E-08	-.217381E-08
	.2459E+01	.2049E+01	.100000E+01	.100000E+01	-.745058E-08	.410705E-09
	.2365E+01	.1689E+01	.100000E+01	.100000E+01	-.409782E-06	-.422619E-06
	.2247E+01	.1404E+01	.999983E+00	.100002E+01	-.403523E-04	-.206694E-04
	.2123E+01	.1179E+01	.999164E+00	.100100E+01	-.183725E-02	-.100365E-02
	.2000E+01	.1000E+01	.974878E+00	.103100E+01	-.561814E-01	-.305311E-01
	.1884E+01	.8562E+00	.602273E+00	.654558E+00	-.525158E-01	-.608454E+00
	.1775E+01	.7396E+00	.297442E+00	.284500E+00	.128220E-01	-.145504E+01
	.1675E+01	.6443E+00	.169581E+00	.639143E-01	.106398E+00	-.212931E+01
	.1584E+01	.5656E+00	.135301E+00	.100047E-01	.126663E+00	-.240031E+01
	.1500E+01	.5000E+00	.126099E+00	.127929E-02	.126462E+00	-.248482E+01
12	.1423E+01	.4448E+00	.123509E+00	.146557E-03	.125109E+00	-.250973E+01
11	.1354E+01	.3981E+00	.122917E+00	.159245E-04	.124674E+00	-.251549E+01
10	.1289E+01	.3582E+00	.123404E+00	.169123E-05	.125151E+00	-.251075E+01
9	.1231E+01	.3238E+00	.125467E+00	.177684E-06	.127140E+00	-.249085E+01
8	.1176E+01	.2941E+00	.130708E+00	.198801E-07	.132246E+00	-.244175E+01
7	.1127E+01	.2682E+00	.142088E+00	.309738E-08	.143437E+00	-.234157E+01
6	.1081E+01	.2456E+00	.164626E+00	.975042E-09	.165744E+00	-.216490E+01
5	.1038E+01	.2256E+00	.207050E+00	.382647E-09	.207900E+00	-.188976E+01
4	.6757E+00	.4054E+01	.100000E+01	.100000E+01	.745058E-08	-.136952E-08

CYLINDER

$R/\lambda = 20$ $T_e/T_i = 1.2$ $V/C_i = 8$ $e\phi_s/KT_e = -1$

	Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
	.1250E+01	.3750E+01	.100000E+01	.100000E+01	.745058E-08	-.389243E-08
	.1667E+01	.3333E+01	.100000E+01	.100000E+01	.745058E-08	-.283367E-08
	.1923E+01	.2885E+01	.100000E+01	.100000E+01	-.745058E-08	.439857E-08
	.2049E+01	.2459E+01	.100000E+01	.100000E+01	.745058E-08	-.212091E-08
	.2083E+01	.2083E+01	.100000E+01	.100000E+01	.745058E-08	-.627325E-08
	.2059E+01	.1765E+01	.100000E+01	.100000E+01	-.506639E-06	-.611533E-08
	.2000E+01	.1500E+01	.999994E+00	.100001E+01	-.129268E-04	-.746301E-05
	.1923E+01	.1282E+01	.999715E+00	.100034E+01	-.624962E-03	-.341625E-03
	.1838E+01	.1103E+01	.990312E+00	.101175E+01	-.214513E-01	-.116822E-01
	.1752E+01	.9554E+00	.776757E+00	.812237E+00	-.355480E-01	-.303153E+00
	.1667E+01	.8333E+00	.470521E+00	.532118E+00	-.616626E-01	-.904697E+00
	.1585E+01	.7317E+00	.235754E+00	.175872E+00	.602204E-01	-.173396E+01
	.1509E+01	.6466E+00	.155347E+00	.340533E-01	.122324E+00	-.223451E+01
	.1437E+01	.5747E+00	.132393E+00	.480700E-02	.129048E+00	-.242638E+01
	.1370E+01	.5137E+00	.125663E+00	.568915E-03	.126752E+00	-.248898E+01
	.1308E+01	.4615E+00	.123820E+00	.614091E-04	.125482E+00	-.250671E+01
	.1250E+01	.4167E+00	.124110E+00	.635981E-05	.125812E+00	-.250390E+01
	.1196E+01	.3778E+00	.126632E+00	.645327E-06	.128258E+00	-.247976E+01
	.1147E+01	.3440E+00	.133077E+00	.649768E-07	.134558E+00	-.242019E+01
	.1101E+01	.3145E+00	.146794E+00	.725115E-08	.148078E+00	-.230247E+01
	.1058E+01	.2885E+00	.173724E+00	.131139E-08	.174773E+00	-.210034E+01
	.1018E+01	.2655E+00	.224742E+00	.661303E-09	.225511E+00	-.179136E+01
	.5000E+00	.3500E+01	.100000E+01	.100000E+01	.745058E-08	-.148111E-08
	.9434E+00	.3302E+01	.100000E+01	.100000E+01	-.745058E-08	.315405E-09
	.1293E+01	.3017E+01	.100000E+01	.100000E+01	.745058E-08	-.309182E-08
	.1538E+01	.2692E+01	.100000E+01	.100000E+01	.745058E-08	-.200820E-08
	.1689E+01	.2365E+01	.100000E+01	.100000E+01	.745058E-08	-.488304E-08
	.1765E+01	.2059E+01	.100000E+01	.100000E+01	-.216067E-06	.900668E-07
	.1786E+01	.1786E+01	.100000E+01	.100000E+01	.238419E-06	-.190748E-06
	.1770E+01	.1549E+01	.999998E+00	.100000E+01	-.350177E-05	-.294055E-05
	.1731E+01	.1346E+01	.999924E+00	.100009E+01	-.171401E-03	-.911476E-04
	.1678E+01	.1174E+01	.997959E+00	.100245E+01	-.449582E-02	-.245200E-02
	.1618E+01	.1029E+01	.961532E+00	.104820E+01	-.866779E-01	-.470735E-01
	.1554E+01	.9067E+00	.605334E+00	.658448E+00	-.530932E-01	-.602369E+00
	.1491E+01	.8028E+00	.325060E+00	.325895E+00	-.557713E-03	-.134850E+01
	.1429E+01	.7143E+00	.187897E+00	.834545E-01	.105233E+00	-.200623E+01
	.1369E+01	.6387E+00	.143438E+00	.136542E-01	.131053E+00	-.233022E+01
	.1311E+01	.5738E+00	.129660E+00	.172281E-02	.129477E+00	-.245141E+01
	.1257E+01	.5178E+00	.125567E+00	.188942E-03	.127027E+00	-.248990E+01
	.1206E+01	.4692E+00	.125427E+00	.193484E-04	.127054E+00	-.249124E+01
	.1159E+01	.4268E+00	.128567E+00	.191479E-05	.130126E+00	-.246157E+01
	.1114E+01	.3898E+00	.136698E+00	.183265E-06	.138105E+00	-.238798E+01
	.1071E+01	.3571E+00	.153717E+00	.178638E-07	.154921E+00	-.224717E+01
	.1032E+01	.3283E+00	.187430E+00	.235367E-08	.188394E+00	-.200922E+01
	.9948E+00	.3028E+00	.257075E+00	.634854E-09	.257730E+00	-.163007E+01
	.3846E+00	.3077E+01	.100000E+01	.100000E+01	.745058E-08	-.105246E-08
	.7353E+00	.2941E+01	.100000E+01	.100000E+01	.745058E-08	-.281727E-08
	.1027E+01	.2740E+01	.100000E+01	.100000E+01	.745058E-08	-.402395E-08
	.1250E+01	.2500E+01	.100000E+01	.100000E+01	-.745058E-08	.828424E-09
	.1404E+01	.2247E+01	.100000E+01	.100000E+01	-.104308E-06	.482811E-07
	.1500E+01	.2000E+01	.100000E+01	.100000E+01	.116229E-05	-.499920E-06
12	.1549E+01	.1770E+01	.100000E+01	.999999E+00	-.282377E-05	.110410E-05
11	.1563E+01	.1563E+01	.999997E+00	.100000E+01	.707805E-06	-.420055E-05
10	.1552E+01	.1379E+01	.999946E+00	.100006E+01	-.126973E-03	-.647734E-04
9	.1524E+01	.1220E+01	.998684E+00	.100158E+01	-.290483E-02	-.158000E-02
8	.1486E+01	.1081E+01	.975202E+00	.103059E+01	-.553738E-01	-.301332E-01
7	.1442E+01	.9615E+00	.677634E+00	.667624E+00	.100707E-01	-.466977E+00
6	.1395E+01	.8584E+00	.409654E+00	.443075E+00	-.331264E-01	-.107093E+01
5	.1346E+01	.7692E+00	.229336E+00	.154246E+00	.757761E-01	-.176708E+01
4	.1298E+01	.6920E+00	.159097E+00	.300213E-01	.130187E+00	-.220589E+01
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CYLINDER

$R/\lambda = 20$ $\quad T_e/T_i = 1.2$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -1$

Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.1250E+01	.6250E+00	.135762E+00	.412928E-02	.133043E+00	-.239622E+01
.1204E+01	.5666E+00	.128431E+00	.468028E-03	.129513E+00	-.246283E+01
.1160E+01	.5155E+00	.127637E+00	.479679E-04	.129149E+00	-.247028E+01
.1118E+01	.4706E+00	.131615E+00	.466155E-05	.133082E+00	-.243345E+01
.1078E+01	.4310E+00	.141972E+00	.430167E-06	.143285E+00	-.234255E+01
.1040E+01	.3960E+00	.162978E+00	.379351E-07	.164084E+00	-.217697E+01
.1004E+01	.3650E+00	.202981E+00	.378810E-08	.203840E+00	-.191357E+01
.9696E+00	.3373E+00	.279315E+00	.712743E-09	.279855E+00	-.153050E+01
.3049E+00	.2744E+01	.100000E+01	.100000E+01	.745058E-08	-.381186E-08
.5882E+00	.2647E+01	.100000E+01	.100000E+01	.745058E-08	-.571618E-08
.8333E+00	.2500E+01	.100000E+01	.100000E+01	-.163913E-06	.670374E-07
.1031E+01	.2320E+01	.100000E+01	.100000E+01	.126660E-06	-.328120E-07
.1179E+01	.2123E+01	.100000E+01	.100000E+01	.402331E-06	-.216631E-06
.1282E+01	.1923E+01	.100000E+01	.999999E+00	-.230223E-05	.105906E-05
.1346E+01	.1731E+01	.999998E+00	.100000E+01	.426918E-05	-.209472E-05
.1379E+01	.1552E+01	.100000E+01	.100000E+01	-.833720E-05	.452337E-06
.1389E+01	.1389E+01	.999974E+00	.100003E+01	-.695661E-04	-.316976E-04
.1381E+01	.1243E+01	.999452E+00	.100066E+01	-.117909E-02	-.657604E-03
.1361E+01	.1114E+01	.992061E+00	.100961E+01	-.175221E-01	-.956427E-02
.1333E+01	.1000E+01	.914087E+00	.111382E+01	-.199623E+00	-.107795E+00
.1300E+01	.9000E+00	.486794E+00	.484736E+00	.236872E-02	-.863898E+00
.1264E+01	.8123E+00	.273779E+00	.225925E+00	.485055E-01	-.155452E+01
.1225E+01	.7353E+00	.177896E+00	.528009E-01	.126094E+00	-.207187E+01
.1187E+01	.6677E+00	.143748E+00	.798399E-02	.137044E+00	-.232763E+01
.1149E+01	.6081E+00	.132587E+00	.943715E-03	.133072E+00	-.242462E+01
.1111E+01	.5556E+00	.131105E+00	.975206E-04	.132451E+00	-.243811E+01
.1075E+01	.5090E+00	.136338E+00	.932168E-05	.137684E+00	-.239114E+01
.1040E+01	.4678E+00	.149845E+00	.828480E-06	.151039E+00	-.227779E+01
.1006E+01	.4310E+00	.176629E+00	.671958E-07	.177616E+00	-.208045E+01
.9735E+00	.3982E+00	.226617E+00	.551577E-08	.227351E+00	-.178139E+01
.9426E+00	.3689E+00	.316312E+00	.757629E-09	.316701E+00	-.138123E+01
.2475E+00	.2475E+01	.100000E+01	.100000E+01	-.745058E-08	.765650E-08
.4808E+00	.2404E+01	.100000E+01	.100000E+01	-.670552E-07	.131053E-07
.6881E+00	.2294E+01	.100000E+01	.100000E+01	.461936E-06	-.115206E-06
.8621E+00	.2155E+01	.100000E+01	.100000E+01	-.745058E-08	-.809309E-07
.1000E+01	.2000E+01	.100000E+01	.999999E+00	-.153482E-05	.727961E-06
.1103E+01	.1838E+01	.999998E+00	.100000E+01	.658631E-05	-.297407E-05
.1174E+01	.1678E+01	.100000E+01	.999994E+00	-.142977E-04	.589479E-05
.1220E+01	.1524E+01	.999996E+00	.100001E+01	.767410E-05	-.507468E-05
.1243E+01	.1381E+01	.999963E+00	.100004E+01	-.494719E-04	-.441554E-04
.1250E+01	.1250E+01	.999542E+00	.100055E+01	-.103358E-02	-.549777E-03
.1244E+01	.1131E+01	.994069E+00	.100716E+01	-.131302E-01	-.713890E-02
.1230E+01	.1025E+01	.937376E+00	.108070E+01	-.143164E+00	-.776049E-01
.1208E+01	.9294E+00	.548848E+00	.577045E+00	-.278793E-01	-.719921E+00
.1182E+01	.8446E+00	.314782E+00	.291990E+00	.234238E-01	-.138705E+01
.1154E+01	.7692E+00	.197338E+00	.775331E-01	.120718E+00	-.194741E+01
.1124E+01	.7022E+00	.152972E+00	.127338E-01	.141390E+00	-.225300E+01
.1093E+01	.6427E+00	.138122E+00	.156741E-02	.137841E+00	-.237554E+01
.1061E+01	.5896E+00	.136280E+00	.163349E-03	.137416E+00	-.239165E+01
.1030E+01	.5423E+00	.143490E+00	.153033E-04	.144685E+00	-.232979E+01
.1000E+01	.5000E+00	.161553E+00	.129570E-05	.162605E+00	-.218751E+01
12 .9704E+00	.4621E+00	.197315E+00	.960306E-07	.198163E+00	-.194754E+01
11 .9418E+00	.4281E+00	.268084E+00	.639768E-08	.268652E+00	-.157975E+01
10 .9141E+00	.3975E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
9 .2049E+00	.2254E+01	.100000E+01	.100000E+01	.730157E-06	-.460855E-06
8 .4000E+00	.2200E+01	.100000E+01	.999999E+00	-.953674E-06	.558950E-06
7 .5769E+00	.2115E+01	.999999E+00	.100000E+01	.181049E-05	-.105473E-05
6 .7299E+00	.2007E+01	.100000E+01	.100000E+01	-.147521E-05	.819404E-06
5 .8562E+00	.1884E+01	.100000E+01	.100000E+01	.335276E-06	.412647E-06
4 .9554E+00	.1752E+01	.100000E+01	.999997E+00	-.724196E-05	.278336E-05
3					

CYLINDER

$R/\lambda = 20$ $\quad T_e/T_i = 1.2$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -1$

	Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
	.1029E+01	.1618E+01	.999994E+00	.100001E+01	.193119E-04	-.737731E-05
	.1081E+01	.1486E+01	.999996E+00	.100000E+01	-.139102E-04	-.431932E-05
	.1114E+01	.1361E+01	.999959E+00	.100005E+01	-.125855E-03	-.486885E-04
	.1131E+01	.1244E+01	.999395E+00	.100073E+01	-.133375E-02	-.725692E-03
	.1136E+01	.1136E+01	.993267E+00	.100814E+01	-.147788E-01	-.810726E-02
	.1132E+01	.1038E+01	.937264E+00	.108085E+01	-.143445E+00	-.777478E-01
	.1121E+01	.9483E+00	.580453E+00	.608764E+00	-.280003E-01	-.652737E+00
	.1104E+01	.8675E+00	.344365E+00	.336605E+00	.835493E-02	-.127926E+01
	.1084E+01	.7948E+00	.214388E+00	.973241E-01	.117888E+00	-.184796E+01
	.1061E+01	.7294E+00	.162621E+00	.170360E-01	.146598E+00	-.217960E+01
	.1037E+01	.6707E+00	.145145E+00	.216371E-02	.144104E+00	-.231603E+01
	.1011E+01	.6180E+00	.143761E+00	.225731E-03	.144662E+00	-.232752E+01
	.9855E+00	.5705E+00	.154049E+00	.205413E-04	.155069E+00	-.224458E+01
	.9597E+00	.5278E+00	.178384E+00	.164478E-05	.179273E+00	-.206858E+01
	.9342E+00	.4893E+00	.225421E+00	.113701E-06	.226105E+00	-.178774E+01
	.9091E+00	.4545E+00	.312609E+00	.748255E-08	.312992E+00	-.139536E+01
	.8846E+00	.4231E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
	.1724E+00	.2069E+01	.100000E+01	.999996E+00	-.672042E-05	.402767E-05
	.3378E+00	.2027E+01	.999995E+00	.100001E+01	.108480E-04	-.576545E-05
	.4902E+00	.1961E+01	.100000E+01	.999994E+00	-.136048E-04	.565905E-05
	.6250E+00	.1875E+01	.100000E+01	.999996E+00	-.502169E-05	.435113E-05
	.7396E+00	.1775E+01	.999993E+00	.100001E+01	.203401E-04	-.851276E-05
	.8333E+00	.1667E+01	.100000E+01	.999997E+00	-.114913E-04	.292971E-05
	.9067E+00	.1554E+01	.100000E+01	.999999E+00	-.708550E-05	.186423E-05
	.9615E+00	.1442E+01	.100000E+01	.100000E+01	-.312254E-04	-.371930E-06
	.1000E+01	.1333E+01	.999909E+00	.100011E+01	-.164077E-03	-.109560E-03
	.1025E+01	.1230E+01	.999090E+00	.100109E+01	-.195942E-02	-.109204E-02
	.1038E+01	.1132E+01	.991618E+00	.101015E+01	-.185946E-01	-.101003E-01
	.1042E+01	.1042E+01	.932336E+00	.108771E+01	-.155259E+00	-.840739E-01
	.1038E+01	.9585E+00	.595801E+00	.632887E+00	-.367945E-01	-.621419E+00
	.1029E+01	.8824E+00	.361052E+00	.354632E+00	.695539E-02	-.122248E+01
	.1016E+01	.8130E+00	.227379E+00	.107336E+00	.120761E+00	-.177736E+01
	.1000E+01	.7500E+00	.172241E+00	.194129E-01	.153687E+00	-.211063E+01
	.9815E+00	.6928E+00	.153975E+00	.249444E-02	.152419E+00	-.224516E+01
	.9615E+00	.6410E+00	.154441E+00	.256268E-03	.155118E+00	-.224153E+01
	.9406E+00	.5941E+00	.169605E+00	.222712E-04	.170435E+00	-.212914E+01
	.9191E+00	.5515E+00	.203390E+00	.165211E-05	.204098E+00	-.191116E+01
	.8974E+00	.5128E+00	.270820E+00	.999829E-07	.271309E+00	-.156756E+01
	.8758E+00	.4777E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
	.8544E+00	.4458E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
	.1471E+00	.1912E+01	.999985E+00	.100002E+01	.344738E-04	-.185519E-04
	.2890E+00	.1879E+01	.100002E+01	.999980E+00	-.439361E-04	.197146E-04
	.4213E+00	.1826E+01	.999990E+00	.100001E+01	.348017E-04	-.115050E-04
	.5405E+00	.1757E+01	.999989E+00	.100001E+01	.287741E-04	-.130468E-04
	.6443E+00	.1675E+01	.100000E+01	.100000E+01	-.190586E-04	.279724E-06
	.7317E+00	.1585E+01	.100001E+01	.999991E+00	-.872463E-05	.947244E-05
	.8028E+00	.1491E+01	.999986E+00	.100002E+01	.255406E-04	-.164204E-04
	.8584E+00	.1395E+01	.999974E+00	.100003E+01	-.230893E-04	-.317396E-04
	.9000E+00	.1300E+01	.999841E+00	.100019E+01	-.376113E-03	-.190622E-03
	.9294E+00	.1209E+01	.998608E+00	.100167E+01	-.310696E-02	-.167125E-02
	.9483E+00	.1121E+01	.988960E+00	.101341E+01	-.244341E-01	-.133217E-01
12	.9585E+00	.1038E+01	.923297E+00	.110050E+01	-.177041E+00	-.957655E-01
11	.9615E+00	.9615E+00	.594723E+00	.634131E+00	-.391446E-01	-.623591E+00
10	.9539E+00	.8904E+00	.365756E+00	.349261E+00	.169486E-01	-.120695E+01
9	.9518E+00	.8249E+00	.236043E+00	.105047E+00	.131585E+00	-.173240E+01
8	.9412E+00	.7647E+00	.181935E+00	.189237E-01	.163702E+00	-.204493E+01
7	.9279E+00	.7096E+00	.165254E+00	.239404E-02	.163604E+00	-.216033E+01
6	.9128E+00	.6592E+00	.169607E+00	.236500E-03	.170102E+00	-.212013E+01
5	.8962E+00	.6132E+00	.192413E+00	.192226E-04	.193051E+00	-.197773E+01
4	.8787E+00	.5712E+00	.238935E+00	.132818E-05	.239454E+00	-.171787E+01

CYLINDER

$R/\lambda = 20$ $T_e/T_i = 1.2$ $V/C_i = 8$ $e\phi_s/KT_e = -1$

	Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
	.8607E+00	.5328E+00	.317992E+00	.869735E-07	.318293E+00	-.137487E+01
	.8423E+00	.4977E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
	.8238E+00	.4656E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
	.1269E+00	.1777E+01	.100003E+01	.999961E+00	-.892952E-04	.389528E-04
	.2500E+00	.1750E+01	.999973E+00	.100003E+01	.825003E-04	-.321685E-04
	.3659E+00	.1707E+01	.100001E+01	.999985E+00	-.469685E-04	.152167E-04
	.4717E+00	.1651E+01	.999999E+00	.100000E+01	-.122115E-04	-.839021E-06
	.5656E+00	.1584E+01	.100003E+01	.999967E+00	-.720322E-04	.332210E-04
	.6466E+00	.1509E+01	.999972E+00	.100003E+01	.689328E-04	-.338891E-04
	.7143E+00	.1429E+01	.100002E+01	.999980E+00	-.982210E-04	.204121E-04
	.7692E+00	.1346E+01	.999976E+00	.100003E+01	-.137970E-03	-.288085E-04
	.8123E+00	.1264E+01	.999680E+00	.100038E+01	-.719413E-03	-.384112E-03
	.8446E+00	.1182E+01	.997684E+00	.100279E+01	-.509081E-02	-.278220E-02
	.8675E+00	.1104E+01	.984674E+00	.101871E+01	-.339428E-01	-.185332E-01
	.8824E+00	.1029E+01	.908915E+00	.112143E+01	-.212283E+00	-.114604E+00
	.8904E+00	.9589E+00	.577673E+00	.603017E+00	-.251163E-01	-.658496E+00
	.8929E+00	.8929E+00	.360380E+00	.320224E+00	.405148E-01	-.122472E+01
	.8907E+00	.8314E+00	.241308E+00	.909799E-01	.150781E+00	-.170602E+01
	.8850E+00	.7743E+00	.192403E+00	.156777E-01	.177248E+00	-.197780E+01
	.8763E+00	.7216E+00	.179994E+00	.189026E-02	.178660E+00	-.205780E+01
	.8654E+00	.6731E+00	.191181E+00	.174330E-03	.191545E+00	-.198544E+01
	.8528E+00	.6284E+00	.227697E+00	.126785E-04	.228148E+00	-.177569E+01
	.8389E+00	.5872E+00	.304469E+00	.715249E-06	.304774E+00	-.142702E+01
	.8242E+00	.5495E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
	.8088E+00	.5147E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
	.7931E+00	.4828E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
	.1106E+00	.1659E+01	.999992E+00	.100001E+01	.473410E-04	-.997872E-05
	.2183E+00	.1638E+01	.100004E+01	.999956E+00	-.821203E-04	.439881E-04
	.3205E+00	.1603E+01	.999989E+00	.100001E+01	.534505E-04	-.132660E-04
	.4149E+00	.1556E+01	.999989E+00	.100001E+01	-.155717E-04	-.130038E-04
	.5000E+00	.1500E+01	.100000E+01	.999995E+00	.195131E-04	.471029E-05
	.5747E+00	.1437E+01	.100003E+01	.999965E+00	-.850111E-04	.351104E-04
	.6387E+00	.1369E+01	.999977E+00	.100003E+01	.165030E-04	-.279837E-04
	.6920E+00	.1298E+01	.999855E+00	.100017E+01	-.207983E-03	-.174599E-03
	.7353E+00	.1225E+01	.999221E+00	.100094E+01	-.159436E-02	-.935015E-03
	.7692E+00	.1154E+01	.995698E+00	.100519E+01	-.939599E-02	-.517367E-02
	.7948E+00	.1084E+01	.976892E+00	.102845E+01	-.515317E-01	-.280545E-01
	.8130E+00	.1016E+01	.885960E+00	.115639E+01	-.270362E+00	-.145300E+00
	.8249E+00	.9518E+00	.549734E+00	.548781E+00	.123732E-03	-.720169E+00
	.8314E+00	.8907E+00	.348026E+00	.265527E+00	.827615E-01	-.126657E+01
	.8333E+00	.8333E+00	.245090E+00	.682559E-01	.177159E+00	-.168736E+01
	.8316E+00	.7796E+00	.204948E+00	.108082E-01	.194510E+00	-.190200E+01
	.8268E+00	.7296E+00	.199504E+00	.120569E-02	.198687E+00	-.193430E+01
	.8197E+00	.6831E+00	.220654E+00	.102337E-03	.220917E+00	-.181339E+01
	.8106E+00	.6399E+00	.279628E+00	.661012E-05	.278900E+00	-.153345E+01
	.8000E+00	.6000E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
	.7883E+00	.5631E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
	.7757E+00	.5289E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
	.7626E+00	.4973E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
	.9728E-01	.1556E+01	.999967E+00	.100004E+01	.123806E-03	-.396609E-04
	.1923E+00	.1538E+01	.999901E+00	.100012E+01	.201516E-03	-.118710E-03
12	.2830E+00	.1509E+01	.999946E+00	.100007E+01	.849366E-06	-.653676E-04
11	.3676E+00	.1471E+01	.100010E+01	.999883E+00	-.236660E-03	.116605E-03
10	.4448E+00	.1423E+01	.999953E+00	.100006E+01	.196561E-03	-.565773E-04
9	.5137E+00	.1370E+01	.999939E+00	.100007E+01	.660643E-04	-.727644E-04
8	.5738E+00	.1311E+01	.999872E+00	.100015E+01	-.128612E-03	-.153704E-03
7	.6250E+00	.1250E+01	.999569E+00	.100052E+01	-.896938E-03	-.517121E-03
6	.6677E+00	.1187E+01	.998036E+00	.100236E+01	-.438812E-02	-.235928E-02
5	.7022E+00	.1124E+01	.990718E+00	.101126E+01	-.205902E-01	-.111905E-01
4	.7294E+00	.1061E+01	.958502E+00	.105218E+01	-.936838E-01	-.508604E-01
3						

CYLINDER

$R/\lambda = 20$ $T_e/T_i = 1.2$ $V/C_i = 8$ $e\phi_s/KT_e = -1$

Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.7500E+00	.1000E+01	.835817E+00	.124013E+01	-.404201E+00	-.215214E+00
.7647E+00	.9412E+00	.508516E+00	.486389E+00	.222510E-01	-.811510E+00
.7743E+00	.8850E+00	.332677E+00	.194075E+00	.138780E+00	-.132070E+01
.7796E+00	.8316E+00	.250188E+00	.427573E-01	.207648E+00	-.166265E+01
.7813E+00	.7813E+00	.221807E+00	.508349E-02	.216070E+00	-.180714E+01
.7798E+00	.7339E+00	.226141E+00	.603333E-03	.225791E+00	-.178392E+01
.7759E+00	.6897E+00	.258387E+00	.481015E-04	.259064E+00	-.162164E+01
.7699E+00	.6483E+00	.326697E+00	.344484E-05	.326839E+00	-.134247E+01
.7622E+00	.6098E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
.7532E+00	.5739E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
.7432E+00	.5405E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
.7325E+00	.5096E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
.8621E-01	.1466E+01	.999942E+00	.100007E+01	-.744462E-04	-.697383E-04
.1706E+00	.1451E+01	.100013E+01	.999844E+00	-.490576E-03	.156495E-03
.2517E+00	.1426E+01	.100012E+01	.999853E+00	-.258029E-03	.147091E-03
.3279E+00	.1393E+01	.999969E+00	.100004E+01	.226527E-03	-.368212E-04
.3981E+00	.1354E+01	.999947E+00	.100006E+01	-.849515E-04	-.634022E-04
.4615E+00	.1308E+01	.999911E+00	.100011E+01	-.305705E-03	-.107280E-03
.5178E+00	.1257E+01	.999701E+00	.100036E+01	-.864320E-03	-.359396E-03
.5666E+00	.1204E+01	.998727E+00	.100153E+01	-.286587E-02	-.152898E-02
.6081E+00	.1149E+01	.994709E+00	.100639E+01	-.117428E-01	-.636634E-02
.6427E+00	.1093E+01	.977807E+00	.102730E+01	-.495565E-01	-.269320E-01
.6707E+00	.1037E+01	.909505E+00	.112056E+01	-.211050E+00	-.113825E+00
.6928E+00	.9815E+00	.667468E+00	.678861E+00	-.113527E-01	-.485117E+00
.7096E+00	.9279E+00	.449285E+00	.383513E+00	.658538E-01	-.960116E+00
.7216E+00	.8763E+00	.318133E+00	.118586E+00	.199659E+00	-.137434E+01
.7296E+00	.8268E+00	.260408E+00	.211293E-01	.239415E+00	-.161461E+01
.7339E+00	.7798E+00	.246989E+00	.252826E-02	.244613E+00	-.167809E+01
.7353E+00	.7353E+00	.266748E+00	.221899E-03	.266674E+00	-.158574E+01
.7341E+00	.6933E+00	.323133E+00	.152177E-04	.323228E+00	-.135563E+01
.7308E+00	.6538E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
.7257E+00	.6168E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
.7192E+00	.5822E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
.7115E+00	.5498E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
.7029E+00	.5196E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
.7692E-01	.1385E+01	.999954E+00	.100006E+01	-.333741E-03	-.555125E-04
.1524E+00	.1372E+01	.999861E+00	.100017E+01	.265561E-03	-.166337E-03
.2252E+00	.1351E+01	.999917E+00	.100010E+01	.658408E-04	-.994011E-04
.2941E+00	.1324E+01	.999807E+00	.100023E+01	.923127E-04	-.232045E-03
.3582E+00	.1289E+01	.999794E+00	.100025E+01	-.415385E-03	-.247303E-03
.4167E+00	.1250E+01	.999566E+00	.100052E+01	-.906430E-03	-.521203E-03
.4692E+00	.1206E+01	.998850E+00	.100138E+01	-.262517E-02	-.139072E-02
.5155E+00	.1160E+01	.996245E+00	.100452E+01	-.838541E-02	-.451401E-02
.5556E+00	.1111E+01	.986719E+00	.101617E+01	-.294559E-01	-.160437E-01
.5896E+00	.1061E+01	.952630E+00	.105996E+01	-.107302E+00	-.582341E-01
.6180E+00	.1011E+01	.842008E+00	.122919E+01	-.387151E+00	-.206358E+00
.6410E+00	.9615E+00	.573726E+00	.554210E+00	.195460E-01	-.666724E+00
.6592E+00	.9128E+00	.402648E+00	.239313E+00	.163383E+00	-.109163E+01
.6731E+00	.8654E+00	.313764E+00	.544539E-01	.259375E+00	-.139094E+01
.6831E+00	.8197E+00	.282125E+00	.765036E-02	.274553E+00	-.151849E+01
.6897E+00	.7759E+00	.286354E+00	.779367E-03	.285657E+00	-.150063E+01
.6933E+00	.7341E+00	.331026E+00	.584293E-04	.331034E+00	-.132667E+01
.6944E+00	.6944E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
.6934E+00	.6569E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
.6906E+00	.6215E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
.6863E+00	.5882E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
.6807E+00	.5569E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
.6741E+00	.5275E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
.6906E-01	.1312E+01	.999559E+00	.100053E+01	-.124241E-02	-.530948E-03
.1370E+00	.1301E+01	.999675E+00	.100039E+01	-.798255E-03	-.389793E-03

CYLINDER

$R/\lambda = 20$ $T_e/T_i = 1.2$ $V/C_i = 8$ $e\phi_s/KT_e = -1$

	Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
	.2027E+00	.1284E+01	.999647E+00	.100042E+01	-.694260E-03	-.423704E-03
	.2653E+00	.1260E+01	.999459E+00	.100065E+01	-.994205E-03	-.649213E-03
	.3238E+00	.1231E+01	.999189E+00	.100097E+01	-.194784E-02	-.974167E-03
	.3778E+00	.1196E+01	.998334E+00	.100200E+01	-.377144E-02	-.200068E-02
	.4268E+00	.1159E+01	.995995E+00	.100483E+01	-.875981E-02	-.481527E-02
	.4706E+00	.1118E+01	.989179E+00	.101314E+01	-.239015E-01	-.130566E-01
	.5090E+00	.1075E+01	.967222E+00	.104080E+01	-.735438E-01	-.399923E-01
	.5423E+00	.1030E+01	.895196E+00	.114208E+01	-.246847E+00	-.132855E+00
	.5705E+00	.9855E+00	.672840E+00	.648581E+00	.242722E-01	-.475496E+00
	.5941E+00	.9406E+00	.487704E+00	.368199E+00	.119523E+00	-.861656E+00
	.6132E+00	.8962E+00	.373734E+00	.107687E+00	.266074E+00	-.118105E+01
	.6284E+00	.8528E+00	.327357E+00	.172948E-01	.310096E+00	-.134004E+01
	.6399E+00	.8106E+00	.327183E+00	.182895E-02	.325391E+00	-.134068E+01
	.6483E+00	.7699E+00	.347782E+00	.171001E-03	.347645E+00	-.125741E+01
	.6538E+00	.7308E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
	.6569E+00	.6934E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
	.6579E+00	.6579E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
	.6570E+00	.6242E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
	.6546E+00	.5923E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
	.6509E+00	.5621E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
	.6461E+00	.5337E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
	.6234E-01	.1247E+01	.997798E+00	.100265E+01	-.472951E-02	-.264513E-02
	.1238E+00	.1238E+01	.998490E+00	.100182E+01	-.360696E-02	-.181388E-02
	.1834E+00	.1222E+01	.998431E+00	.100189E+01	-.356180E-02	-.188485E-02
	.2404E+00	.1202E+01	.997903E+00	.100252E+01	-.485280E-02	-.251870E-02
	.2941E+00	.1176E+01	.996617E+00	.100408E+01	-.770998E-02	-.406675E-02
	.3440E+00	.1147E+01	.993712E+00	.100760E+01	-.141521E-01	-.756964E-02
	.3898E+00	.1114E+01	.986885E+00	.101597E+01	-.291525E-01	-.158427E-01
	.4310E+00	.1078E+01	.970428E+00	.103668E+01	-.662067E-01	-.360215E-01
	.4678E+00	.1040E+01	.926080E+00	.109653E+01	-.170428E+00	-.921541E-01
	.5000E+00	.1000E+01	.813222E+00	.128159E+01	-.468341E+00	-.248101E+00
	.5278E+00	.9597E+00	.569759E+00	.468964E+00	.100803E+00	-.675049E+00
	.5515E+00	.9191E+00	.432328E+00	.167554E+00	.264784E+00	-.100628E+01
	.5712E+00	.8787E+00	.369651E+00	.314977E-01	.338165E+00	-.119423E+01
	.5872E+00	.8389E+00	.368551E+00	.347125E-02	.365092E+00	-.119781E+01
	.6000E+00	.8000E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
	.6098E+00	.7622E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
	.6168E+00	.7257E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
	.6215E+00	.6906E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
	.6242E+00	.6570E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
	.6250E+00	.6250E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
	.6243E+00	.5945E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
	.6222E+00	.5656E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
	.6189E+00	.5382E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
	.5656E-01	.1188E+01	.991489E+00	.101031E+01	-.184257E-01	-.102569E-01
	.1124E+00	.1180E+01	.993386E+00	.100800E+01	-.143360E-01	-.796365E-02
	.1667E+00	.1167E+01	.993156E+00	.100828E+01	-.146495E-01	-.824121E-02
	.2188E+00	.1149E+01	.991411E+00	.101040E+01	-.190269E-01	-.103509E-01
	.2682E+00	.1127E+01	.986985E+00	.101584E+01	-.289395E-01	-.157207E-01
	.3145E+00	.1101E+01	.977773E+00	.102734E+01	-.495959E-01	-.269737E-01
	.3571E+00	.1071E+01	.958269E+00	.105248E+01	-.942170E-01	-.511520E-01
12	.3960E+00	.1040E+01	.920109E+00	.110508E+01	-.184965E+00	-.999159E-01
11	.4310E+00	.1006E+01	.826504E+00	.125692E+01	-.430421E+00	-.229661E+00
10	.4621E+00	.9704E+00	.626724E+00	.556133E+00	.705928E-01	-.560699E+00
9	.4893E+00	.9342E+00	.481307E+00	.215591E+00	.265715E+00	-.877501E+00
8	.5128E+00	.8974E+00	.409782E+00	.432795E-01	.366506E+00	-.107056E+01
7	.5328E+00	.8607E+00	.380747E+00	.568428E-02	.384066E+00	-.113071E+01
6	.5495E+00	.8242E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
5	.5631E+00	.7883E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
4	.5739E+00	.7532E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
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CYLINDER

$R/\lambda = 20$ $\quad T_e/T_i = 1.2$ $\quad V/C_i = 8$ $\quad e\phi_s/KT_e = -1$

Z/R	Y/R	N_e/N_o	N_i/N_o	$(N_e - N_i)/N_o$	$e\phi/KT_e$
.5822E+00	.7192E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
.5882E+00	.6863E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
.5923E+00	.6546E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
.5945E+00	.6243E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
.5952E+00	.5952E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
.5946E+00	.5676E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
.5928E+00	.5412E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
.5155E-01	.1134E+01	.970874E+00	.103611E+01	-.652084E-01	-.354705E-01
.1025E+00	.1127E+01	.975506E+00	.103021E+01	-.548526E-01	-.297588E-01
.1521E+00	.1116E+01	.974672E+00	.103126E+01	-.564888E-01	-.307857E-01
.2000E+00	.1100E+01	.969175E+00	.103829E+01	-.692815E-01	-.375717E-01
.2456E+00	.1081E+01	.955427E+00	.105624E+01	-.100995E+00	-.547162E-01
.2885E+00	.1058E+01	.929332E+00	.109193E+01	-.162610E+00	-.879466E-01
.3283E+00	.1032E+01	.875171E+00	.117351E+01	-.298300E+00	-.160003E+00
.3650E+00	.1004E+01	.801747E+00	.130363E+01	-.501865E+00	-.265154E+00
.3932E+00	.9735E+00	.628769E+00	.567510E+00	.612601E-01	-.556789E+00
.4281E+00	.9418E+00	.501475E+00	.225776E+00	.275700E+00	-.828241E+00
.4545E+00	.9091E+00	.437001E+00	.449292E-01	.392073E+00	-.993383E+00
.4777E+00	.8758E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
.4977E+00	.8423E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
.5147E+00	.8088E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
.5289E+00	.7757E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
.5405E+00	.7432E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
.5498E+00	.7115E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
.5569E+00	.6807E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
.5621E+00	.6509E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
.5656E+00	.6222E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
.5676E+00	.5946E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
.5682E+00	.5682E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
.5676E+00	.5429E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
.4717E-01	.1085E+01	.909742E+00	.112021E+01	-.210496E+00	-.113514E+00
.9331E-01	.1079E+01	.918198E+00	.110784E+01	-.189818E+00	-.102410E+00
.1394E+00	.1069E+01	.915850E+00	.111125E+01	-.195518E+00	-.105483E+00
.1835E+00	.1055E+01	.902133E+00	.113155E+01	-.229584E+00	-.123592E+00
.2256E+00	.1038E+01	.864246E+00	.119134E+01	-.327218E+00	-.175078E+00
.2655E+00	.1018E+01	.804889E+00	.129753E+01	-.492642E+00	-.260461E+00
.3028E+00	.9948E+00	.660189E+00	.779237E+00	-.119038E+00	-.498275E+00
.3373E+00	.9696E+00	.576126E+00	.539153E+00	.369803E-01	-.661714E+00
.3689E+00	.9426E+00	.489547E+00	.176968E+00	.312581E+00	-.857129E+00
.3975E+00	.9141E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
.4231E+00	.8846E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
.4458E+00	.8544E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
.4656E+00	.8238E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
.4828E+00	.7931E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
.4973E+00	.7626E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
.5096E+00	.7325E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
.5196E+00	.7029E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
.5275E+00	.6741E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
.5337E+00	.6461E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
.5382E+00	.6189E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
.5412E+00	.5928E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
.5429E+00	.5676E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01
.5435E+00	.5435E+00	.434598E+00	.100000E+01	.000000E+00	-.100000E+01